



The bidi Package

Source documentation for version 35.0

to my Master, Ferdowsi The Great

If you enjoy the bidi package and want to support the project, then please consider donating to the project. It allows me to spend more time working on the bidi package, encourages me to continue, and is the perfect way to say thank you!

You can use *My PayPal.Me* to donate to the bidi package at

<https://www.paypal.me/persiantex>

If you have a problem using *My PayPal.Me*, then please email me at persian-tex@tug.org.

If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, then please do not send any direct email to me; I will not answer any direct email. Instead please use the issue tracker:

<https://sourceforge.net/p/persian-tex-dist/tickets>

In doing so, please always explain your issue well enough, and always include a minimal working example showing the issue.

Please note that most of my spare time is pretty much occupied by T_EX development and as a result, I am afraid that I can not help users on a regular basis. Therefore, I ask all users to not email me and ask for help. However, there is a Persian T_EX mailing list where everyone can discuss Persian T_EX related topics, ask and/or answer questions. This mailing list is the default media for Persian T_EX communications. I will try my best to answer questions on this mailing list whenever I have time. You can subscribe to the mailing list at

<http://tug.org/mailman/listinfo/persiantex>

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The *bid* Package

Bidirectional typesetting in plain \TeX and \LaTeX , using \XeTeX engine

Source documentation for [version 35.0](#)

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Contents

1	File <code>amsart-xetex-bidi.def</code>	4	17	File <code>bidicode.sty</code>	44
2	File <code>adjmulticol-xetex-bidi.def</code>	6	18	File <code>bidiftnextra.sty</code>	47
3	File <code>algorithm2e-xetex-bidi.def</code>	7	19	File <code>bidimoderncv.cls</code>	51
4	File <code>amsbook-xetex-bidi.def</code>	8	20	File <code>bidi-perpage.sty</code>	56
5	File <code>amsmath-xetex-bidi.def</code>	10	21	File <code>biditools.sty</code>	57
6	File <code>amstext-xetex-bidi.def</code>	11	22	File <code>bidituftefloat.sty</code>	93
7	File <code>amsthm-xetex-bidi.def</code>	11	23	File <code>bidituftesidenote.sty</code>	104
8	File <code>array-xetex-bidi.def</code>	11	24	File <code>bidituftetoc.sty</code>	115
9	File <code>article-xetex-bidi.def</code>	12	25	File <code>bidituftegeneralstructure.sty</code>	118
10	File <code>artikel1-xetex-bidi.def</code>	16	26	File <code>bidituftehyperref.sty</code>	120
11	File <code>artikel2-xetex-bidi.def</code>	21	27	File <code>bidituftetitle.sty</code>	121
12	File <code>artikel3-xetex-bidi.def</code>	26	28	File <code>biditufte-handout.cls</code>	124
13	File <code>arydshln-xetex-bidi.def</code>	31	29	File <code>biditufte-book.cls</code>	125
14	File <code>bidi.sty</code>	34	30	File <code>bidipoem.sty</code>	126
15	File <code>bidi.tex</code>	41	31	File <code>boek3-xetex-bidi.def</code>	133
16	File <code>bidi2in1.sty</code>	43	32	File <code>boek-xetex-bidi.def</code>	137

33	File bookest-xetex-bidi.def	140	61	File float-xetex-bidi.def	225
34	File book-xetex-bidi.def	141	62	File floatrow-xetex-bidi.def	225
35	File breqn-xetex-bidi.def	145	63	File flowfram-xetex-bidi.def	225
36	File cals-xetex-bidi.def	147	64	File footnote-xetex-bidi.def	228
37	File caption-xetex-bidi.def	147	65	File framed-xetex-bidi.def	235
38	File caption3-xetex-bidi.def	148	66	File ftnright-xetex-bidi.def	239
39	File colortbl-xetex-bidi.def	148	67	File graphicx-xetex-bidi.def	243
40	File color-xetex-bidi.def	149	68	File geometry-xetex-bidi.def	246
41	File combine-xetex-bidi.def	149	69	File hvfloat-xetex-bidi.def	247
42	File crop-xetex-bidi.def	150	70	File hyperref-xetex-bidi.def	253
43	File cutwin-xetex-bidi.def	152	71	File imspdoc-xetex-bidi.def	265
44	File cuted-xetex-bidi.def	153	72	File leqno-xetex-bidi.def	266
45	File cvthemebidicasual.sty	161	73	File letter-xetex-bidi.def	267
46	File cvthemebidiclassic.sty	163	74	File lettrine-xetex-bidi.def	267
47	File dblfnote-xetex-bidi.def	165	75	File lineno-xetex-bidi.def	270
48	File diagbox-xetex-bidi.def	169	76	File listings-xetex-bidi.def	271
49	File draftwatermark-xetex-bidi.def	171	77	File loadingorder-xetex-bidi.def	273
50	File eso-pic-xetex-bidi.def	171	78	File longtable-xetex-bidi.def	279
51	File empheq-xetex-bidi.def	172	79	File mathtools-xetex-bidi.def	281
52	File extarticle-xetex-bidi.def	175	80	File mdframed-xetex-bidi.def	282
53	File extbook-xetex-bidi.def	179	81	File bidi-media9.sty	283
54	File extletter-xetex-bidi.def	182	82	File memoir-xetex-bidi.def	295
55	File extrafootnotefeatures-xetex-bidi.def	183	83	File midfloat-xetex-bidi.def	298
56	File extreport-xetex-bidi.def	218	84	File minitoc-xetex-bidi.def	303
57	File fancybox-xetex-bidi.def	221	85	File multicol-xetex-bidi.def	304
58	File fancyhdr-xetex-bidi.def	222	86	File multienum-xetex-bidi.def	308
59	File fix2col-xetex-bidi.def	222	87	File natbib-xetex-bidi.def	310
60	File fleqn-xetex-bidi.def	224	88	File newfloat-xetex-bidi.def	310



89	File ntheorem-xetex-bidi.def	311	110	File soul-xetex-bidi.def	382
90	File ntheorem-hyper-xetex-bidi.def	312	111	File stabular-xetex-bidi.def	383
91	File overpic-xetex-bidi.def	312	112	File subfigure-xetex-bidi.def	384
92	File pdfbase-xetex-bidi.def	313	113	File tabls-xetex-bidi.def	384
93	File pdfpages-xetex-bidi.def	314	114	File tabularx-xetex-bidi.def	385
94	File pgfcorescopes.code-xetex-bidi.def	315	115	File tabulary-xetex-bidi.def	386
95	File picinpar-xetex-bidi.def	316	116	File tc-xetex-bidi.def	387
96	File plain-xetex-bidi.def	319	117	File tcolorbox-xetex-bidi.def	387
97	File pstricks-xetex-bidi.def	321	118	File titlesec-xetex-bidi.def	388
98	File quotchap-xetex-bidi.def	321	119	File titletoc-xetex-bidi.def	389
99	File ragged2e-xetex-bidi.def	322	120	File tocbibind-xetex-bidi.def	390
100	File rapport1-xetex-bidi.def	324	121	File tocloft-xetex-bidi.def	391
101	File rapport3-xetex-bidi.def	329	122	File tocbasic-xetex-bidi.def	397
102	File refrep-xetex-bidi.def	335	123	File tocstyle-xetex-bidi.def	411
103	File report-xetex-bidi.def	338	124	File todonotes-xetex-bidi.def	416
104	File rotating-xetex-bidi.def	343	125	File wrapfig-xetex-bidi.def	418
105	File scrartcl-xetex-bidi.def	345	126	File xcolor-xetex-bidi.def	420
106	File scrbook-xetex-bidi.def	356	127	File latex-xetex-bidi.def	422
107	File scrlettr-xetex-bidi.def	368	128	File xltextra-xetex-bidi.def	441
108	File scrreprt-xetex-bidi.def	370	129	Index	441
109	File sidecap-xetex-bidi.def	382			



1 File amsart-xetex-bidi.def

```

1 \ProvidesFile{amsart-xetex-bidi.def}[2017/08/09 v1.1 bidi adaptations for amsart class for Xe
2 \def\tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\addvspace{#2}%
6     \begingroup \hyphenpenalty\@M
7     \@ifempty{#4}{%
8       \@tempdima\csname r@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi
13    \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16    \nobreak
17  \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
25   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \kern-.4p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern11p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4p@
31   \hrule\@width 5pc\kern11p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35   \insert\footins{%
36     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37     \reset@font%
38     \bidi@footnotetext@font% \normalfont\footnotesize
39     \interlinepenalty\interfootnotelinepenalty
40     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
41     \floatingpenalty\@MM \hsize\columnwidth
42     \@parboxrestore \parindent\normalparindent \sloppy
43     \protected@edef\@currentlabel{%
44       \csname p@footnote\endcsname\@thefnmark}%
45     \makefnintext{%
46       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
47
48 \long\def\@RTLfootnotetext#1{%

```



```

49 \insert\footins{%
50   \@RTLtrue%
51   \reset@font%
52   \bidi@RTLfootnotetext@font% \normalfont\footnotesize
53   \interlinepenalty\interfootnotelinepenalty
54   \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
55   \floatingpenalty\@MM \hsize\columnwidth
56   \@parboxrestore \parindent\normalparindent \sloppy
57   \protected@edef\@currentlabel{%
58     \csname p@footnote\endcsname\@thefnmark}%
59   \@makefnfntext{%
60     \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
61
62
63
64 \long\def\@LTRfootnotetext#1{%
65   \insert\footins{%
66     \@RTLfalse%
67     \reset@font%
68     \bidi@LTRfootnotetext@font% \normalfont\footnotesize
69     \interlinepenalty\interfootnotelinepenalty
70     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
71     \floatingpenalty\@MM \hsize\columnwidth
72     \@parboxrestore \parindent\normalparindent \sloppy
73     \protected@edef\@currentlabel{%
74       \csname p@footnote\endcsname\@thefnmark}%
75     \@makefnfntext{%
76       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
77
78
79 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
80 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
81 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
82
83 \renewenvironment{thebibliography}[1]{%
84   \@bibtitlestyle
85   \normalfont\bibliofont\labelsep .5em\relax
86   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
87   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
88   \bidi@thebibliography@font@hook%
89   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
90     \leftmargin\labelwidth \advance\leftmargin\labelsep
91     \usecounter{enumiv}}%
92   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
93   \sfcode`\.=\@m
94 }{%
95   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
96   \endlist
97 }
98 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi

```



```

99 \columnseprule\z@ \columnsep 35\p@
100 \@indextitlestyle
101 \thispagestyle{plain}%
102 \let\item\@idxitem
103 \parindent\z@ \parskip\z@\@plus.3\p@\relax
104 \if@RTL\raggedleft\else\raggedright\fi
105 \hyphenpenalty\@M
106 \footnotesize}
107 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
108 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
109 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
110 \def\maketitle{\par
111 \@topnum\z@ % this prevents figures from falling at the top of page 1
112 \@setcopyright
113 \thispagestyle{firstpage}% this sets first page specifications
114 \uppercase\nonmath\shorttitle
115 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116 \else \andify\shortauthors
117 \fi
118 \@maketitle@hook
119 \begingroup
120 \@maketitle
121 \toks@{\xp{\shortauthors}}\@temptokena{\xp{\shorttitle}}%
122 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
123 \edef\@tempa{%
124 \@nx\markboth{\the\toks4
125 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
126 \@tempa
127 \endgroup
128 \c@footnote\z@
129 \@cleartopmattertags
130 }

```

2 File adjmulticol-xetex-bidi.def

```

131 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol package]
132 \def\adjmulticols#1#2#3{\col@number#1\relax
133 \def\@tempa{#2}%
134 \ifx\@tempa\@empty\adjmc@inner\z@\else\adjmc@inner#2\fi
135 \def\@tempa{#3}%
136 \ifx\@tempa\@empty\adjmc@outer\z@\else\adjmc@outer#3\fi
137 \ifnum\col@number<\@ne
138 \PackageWarning{adjmulticol}%
139 {Using '\number\col@number'
140 columns doesn't seem a good idea.^^J
141 I therefore use one columns instead}%
142 \col@number\@ne\fi
143 \ifnum\col@number>10
144 \PackageError{adjmulticol}%
145 {Too many columns}%

```



```

146 {Current implementation doesn't
147 support more than 10 columns.%
148 \MessageBreak
149 I therefore use 10 columns instead}%
150 \col@number10 \fi
151 \ifx\@footnotetext\mult@footnotetext\else
152 \let\orig@footnotetext\@footnotetext
153 \let\@footnotetext\mult@footnotetext
154 \fi
155 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
156 \let\orig@LTRfootnotetext\@LTRfootnotetext
157 \let\@LTRfootnotetext\mult@LTRfootnotetext
158 \fi
159 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
160 \let\orig@RTLfootnotetext\@RTLfootnotetext
161 \let\@RTLfootnotetext\mult@RTLfootnotetext
162 \fi
163 \@ifnextchar[\@adjmult@cols{\@adjmult@cols[]}]{}
164 \let\adjmc@page@sofar@orig=\page@sofar

```

3 File algorithm2e-xetex-bidi.def

```

165 \ProvidesFile{algorithm2e-xetex-bidi.def}[2018/09/23 v0.2 bidi adaptations for algorithm2e pa
166 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
169 \fi
170 \@ifpackageloaded{color}{-}{%
171 \bidi@patchcmd{\@algocf@start}{\bgroup}{%
172 \bgroup
173 \if@RTL
174 \beginR
175 \else
176 \beginL
177 \fi
178 }{}{}
179 \bidi@patchcmd{\@algocf@finish}{\egroup\end{lrbox}}{%
180 \if@RTL
181 \endR
182 \else
183 \endL
184 \fi
185 \egroup
186 \end{lrbox}}%
187 }{}{}
188 \bidi@patchcmd{\algocf@makecaption}{\hbox}{%
189 \if@RTL
190 \hboxR
191 \else
192 \hboxL

```




```

193 \fi
194 }{}{}
195 }

```

4 File amsbook-xetex-bidi.def

```

196 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for Xe
197 \def\tocline#1#2#3#4#5#6#7{\relax
198 \ifnum #1>\c@tocdepth % then omit
199 \else
200 \par \addpenalty\@secpenalty\addvspace{#2}%
201 \begingroup \hyphenpenalty\@M
202 \@ifempty{#4}{%
203 \tempdima\csname r@tocindent\number#1\endcsname\relax
204 }{%
205 \tempdima#4\relax
206 }%
207 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip
208 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
209 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
210 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
211 \nobreak
212 \endgroup
213 \fi}
214 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
215 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
216 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
217 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
218 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
219 \columnseprule\z@ \columnsep 35\p@
220 \@indextitlestyle
221 \thispagestyle{plain}%
222 \let\item\@idxitem
223 \parindent\z@ \parskip\z@\@plus.3\p@\relax
224 \if@RTL\raggedleft\else\raggedright\fi
225 \hyphenpenalty\@M
226 \footnotesize}
227 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
228 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
229 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
230 \def\right@footnoterule{%
231 \kern-.4\p@
232 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
233 \kern11\p@\kern-\footnotesep}
234 \def\left@footnoterule{\kern-.4\p@
235 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
236
237 \long\def\@footnotetext#1{%
238 \insert\footins{%
239 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%

```



```

240 \reset@font%
241 \bidi@footnotetext@font% \normalfont\footnotesize
242 \interlinepenalty\interfootnotelinepenalty
243 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
244 \floatingpenalty\@MM \hsize\columnwidth
245 \@parboxrestore \parindent\normalparindent \sloppy
246 \protected@edef\@currentlabel{%
247   \csname p@footnote\endcsname\@thefnmark}%
248 \@makefntext{%
249   \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
250
251 \long\def\@RTLfootnotetext#1{%
252   \insert\footins{%
253     \@RTLtrue%
254     \reset@font%
255     \bidi@RTLfootnotetext@font% \normalfont\footnotesize
256     \interlinepenalty\interfootnotelinepenalty
257     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
258     \floatingpenalty\@MM \hsize\columnwidth
259     \@parboxrestore \parindent\normalparindent \sloppy
260     \protected@edef\@currentlabel{%
261       \csname p@footnote\endcsname\@thefnmark}%
262     \@makefntext{%
263       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
264
265
266 \long\def\@LTRfootnotetext#1{%
267   \insert\footins{%
268     \@RTLfalse%
269     \reset@font%
270     \bidi@LTRfootnotetext@font% \normalfont\footnotesize
271     \interlinepenalty\interfootnotelinepenalty
272     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
273     \floatingpenalty\@MM \hsize\columnwidth
274     \@parboxrestore \parindent\normalparindent \sloppy
275     \protected@edef\@currentlabel{%
276       \csname p@footnote\endcsname\@thefnmark}%
277     \@makefntext{%
278       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
279
280
281
282 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
283 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
284 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
285
286 \renewenvironment{thebibliography}[1]{%
287   \@bibtitlestyle
288   \normalfont\bibliofont\labelsep .5em\relax
289   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty

```



```

290 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
291 \bidi@thebibliography@font@hook%
292 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
293 \leftmargin\labelwidth \advance\leftmargin\labelsep
294 \usecounter{enumiv}}%
295 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
296 \sfcode\.\=@m
297 }{%
298 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
299 \endlist
300 }
301 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
302 \begingroup
303 \fontsize{\@xivpt}{18}\bfseries\centering
304 \ifnum\c@secnumdepth>\m@ne
305 \leavevmode \hskip-\ifRTL\righskip\else\leftskip\fi
306 \rlap{\vbox to\z@{\vss
307 \centerline{\normalsize\mdseries
308 \uppercase\@xp{\chaptername}\enspace\thechapter}
309 \vskip 3pc}}\hskip\ifRTL\righskip\else\leftskip\fi\fi
310 #1\par \endgroup
311 \skip@34\p@ \advance\skip@-\normalbaselineskip
312 \vskip\skip@ }
313 \def\maketitle{\par
314 \@topnum\z@ % this prevents figures from falling at the top of page 1
315 \begingroup
316 \@maketitle
317 \endgroup
318 \c@footnote\z@
319 \def\do##1{\let##1\relax}%
320 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
321 \do\author \do\@xauthor \do\address \do\@xaddress
322 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
323 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
324 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
325 }

```

5 File amsmath-xetex-bidi.def

```

326 \ProvidesFile{amsmath-xetex-bidi.def}[2018/01/08 v1.1 bidi adaptations for amsmath package for
327 \let\veqno=\eqno
328 \iftagsleft@ \let\veqno=\leqno \fi
329 \renewcommand{\numberwithin}[3][\arabic]{%
330 \@ifundefined{c@#2}{\nocounterr{#2}}{%
331 \@ifundefined{c@#3}{\nocnterr{#3}}{%
332 \@addtoreset{#2}{#3}%
333 \@xp\xdef\csname the#2\endcsname{%
334 \@xp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
335 }
336 \def\tagform#1{\maketag@@@{\ifnonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italiccorr

```



6 File amstext-xetex-bidi.def

```
337 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package for XeLaTeX]
338 \def\textdef@#1#2#3{\hbox{#{%
339     \everymath{#1}%
340     \let\fontsize#2\selectfont
341     \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}}
```

7 File amsthm-xetex-bidi.def

```
342 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for XeLaTeX]
343 \def\@thmcountersep{\@SepMark}
```

8 File array-xetex-bidi.def

```
344 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for XeLaTeX]
345 \def\@testpach{\@chclass
346   \ifnum \@lastchclass=6 \one \cnum \one \else
347   \ifnum \@lastchclass=7 5 \else
348   \ifnum \@lastchclass=8 \tw@ \else
349   \ifnum \@lastchclass=9 \thr@@
350   \else \z@
351   \ifnum \@lastchclass = 10 \else
352   \edef\@nextchar{\expandafter\string\@nextchar}%
353   \cnum
354   \if \@nextchar c\z@ \else
355   \if \@nextchar \if@RTLtab r\else l\fi\one \else
356   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
357   \z@ \chclass
358   \if \@nextchar |\one \else
359   \if \@nextchar !6 \else
360   \if \@nextchar @7 \else
361   \if \@nextchar <8 \else
362   \if \@nextchar >9 \else
363   10
364   \cnum
365   \if \@nextchar m\thr@@\else
366   \if \@nextchar p4 \else
367   \if \@nextchar b5 \else
368   \z@ \chclass \z@ \preamerr \z@ \fi \fi \fi \fi
369   \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
370 \def\@tabular{%
371   \leavevmode
372   \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\dollarbegin\beginR
373   \let\dollarend\endR
374   \@tabarray}
375 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
376 \expandafter\let\csname endtabular*\endcsname=\endtabular
377 \def\@array[#1]#2{%
378   \@tempdima \ht \strutbox
```



```

379 \advance \@tempdima by\extrarowheight
380 \setbox \@arstrutbox \hbox{\vrule
381     \@height \arraystretch \@tempdima
382     \@depth \arraystretch \dp \strutbox
383     \@width \z@}%
384 \begingroup
385 \mkpream{#2}%
386 \xdef\@preamble{\noexpand \ialign \@halignto
387     \bgroup \@arstrut \@preamble
388     \tabskip \z@ \cr}%
389 \endgroup
390 \@arrayleft
391 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
392 \bgroup
393 \let \@sharp ##\let \protect \relax
394 \lineskip \z@
395 \baselineskip \z@
396 \m@th
397 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\@hboxRcor
398 \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
399 \def\endarray{\crcr \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@pream
400 \def\array{\colsep\arraycolsep
401     \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}%
402 \@RTLtabfalse\@tabarray}

```

9 File article-xetex-bidi.def

```

403 \ProvidesFile{article-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for standard article c
404 \if@titlepage
405 \renewcommand\maketitle{\begin{titlepage}%
406 \let\footnotesize\small
407 \let\right@footnoterule\relax
408 \let\left@footnoterule\relax
409 \let\textwidth\footnoterule\relax
410 \let \footnote \thanks
411 \let \LTRfootnote \LTRthanks
412 \let \RTLfootnote \RTLthanks
413 \null\vfil
414 \vskip 60\p@
415 \begin{center}%
416     {\LARGE \@title \par}%
417     \vskip 3em%
418     {\large
419         \lineskip .75em%
420         \begin{tabular}[t]{c}%
421             \@author
422         \end{tabular}\par}%
423     \vskip 1.5em%
424     {\large \@date \par}% % Set date in \large size.
425 \end{center}\par

```



```

426 \@thanks
427 \vfil\null
428 \end{titlepage}%
429 \setcounter{footnote}{0}%
430 \global\let\thanks\relax
431 \global\let\LTRthanks\relax
432 \global\let\RTLthanks\relax
433 \global\let\maketitle\relax
434 \global\let\@thanks\@empty
435 \global\let\@author\@empty
436 \global\let\@date\@empty
437 \global\let\@title\@empty
438 \global\let\title\relax
439 \global\let\author\relax
440 \global\let\date\relax
441 \global\let\and\relax
442 }
443 \else
444 \renewcommand\maketitle{\par
445 \begingroup
446 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
447 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
448 \long\def\@makefntext##1{\parindent 1em\noindent
449 \hb@xt@1.8em{%
450 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
451 \if@twocolumn
452 \ifnum \col@number=\@ne
453 \@maketitle
454 \else
455 \twocolumn[\@maketitle]%
456 \fi
457 \else
458 \newpage
459 \global\@topnum\z@ % Prevents figures from going at top of page.
460 \@maketitle
461 \fi
462 \thispagestyle{plain}\@thanks
463 \endgroup
464 \setcounter{footnote}{0}%
465 \global\let\thanks\relax
466 \global\let\LTRthanks\relax
467 \global\let\RTLthanks\relax
468 \global\let\maketitle\relax
469 \global\let\@maketitle\relax
470 \global\let\@thanks\@empty
471 \global\let\@author\@empty
472 \global\let\@date\@empty
473 \global\let\@title\@empty
474 \global\let\title\relax
475 \global\let\author\relax

```



```

476 \global\let\date\relax
477 \global\let\and\relax
478 }
479 \def\@maketitle{%
480 \newpage
481 \null
482 \vskip 2em%
483 \begin{center}%
484 \let \footnote \thanks
485 \let \LTRfootnote \LTRthanks
486 \let \RTLfootnote \RTLthanks
487 {\LARGE \@title \par}%
488 \vskip 1.5em%
489 {\large
490 \lineskip .5em%
491 \begin{tabular}[t]{c}%
492 \@author
493 \end{tabular}\par}%
494 \vskip 1em%
495 {\large \@date}%
496 \end{center}%
497 \par
498 \vskip 1.5em}
499 \fi
500 \renewcommand*\l@part[2]{%
501 \ifnum \c@tocdepth >-2\relax
502 \addpenalty\@secpenalty
503 \addvspace{2.25em \@plus\p@}%
504 \setlength\@tempdima{3em}%
505 \begingroup
506 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
507 \parfillskip -\@pnumwidth
508 {\leavevmode
509 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
510 \nobreak
511 \if@compatibility
512 \global\@nobreaktrue
513 \everypar{\global\@nobreakfalse\everypar{}}%
514 \fi
515 \endgroup
516 \fi}
517 \renewcommand*\l@section[2]{%
518 \ifnum \c@tocdepth >\z@
519 \addpenalty\@secpenalty
520 \addvspace{1.0em \@plus\p@}%
521 \setlength\@tempdima{1.5em}%
522 \begingroup
523 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
524 \parfillskip -\@pnumwidth
525 \leavevmode \bfseries

```



```

526     \advance\if@RTL\rightright\else\leftskip\fi\@tempdima
527     \hskip -\if@RTL\rightright\else\leftskip\fi
528     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
529     \endgroup
530 \fi}
531 \renewcommand\left@footnoterule{%
532     \kern-3\p@
533     \hrule\@width.4\columnwidth
534     \kern2.6\p@}
535 \renewcommand\right@footnoterule{%
536     \kern-3\p@
537     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
538     \kern2.6\p@}
539 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
540 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
541 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
542 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
543 \def\@part[#1]#2{%
544     \ifnum \c@secnumdepth >\m@ne
545         \refstepcounter{part}%
546         \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
547     \else
548         \addcontentsline{toc}{part}{#1}%
549     \fi
550     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
551     \interlinepenalty \@M
552     \normalfont
553     \ifnum \c@secnumdepth >\m@ne
554         \Large\bfseries \partname\nobreakspace\thepart
555         \par\nobreak
556     \fi
557     \huge \bfseries #2%
558     \markboth{}{\par}%
559     \nobreak
560     \vskip 3ex
561     \@afterheading}
562 \renewenvironment{thebibliography}[1]
563     {\section*{\refname}%
564     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
565     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
566     \bidi@thebibliography@font@hook%
567     \list{\@biblabel{\@arabic\c@enumiv}}%
568         {\settowidth\labelwidth{\@biblabel{#1}}%
569         \leftmargin\labelwidth
570         \advance\leftmargin\labelsep
571         \@openbib@code
572         \usecounter{enumiv}%
573         \let\p@enumiv\@empty
574         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
575     \sloppy

```




```

576 \clubpenalty4000
577 \@clubpenalty \clubpenalty
578 \widowpenalty4000%
579 \sfcode`\.\@m}
580 {\def\@noitemerr
581 {\@latex@warning{Empty `thebibliography' environment}}}%
582 \endlist}
583 \renewenvironment{theindex}
584 {\if@twocolumn
585 \@restonecolfalse
586 \else
587 \@restonecoltrue
588 \fi
589 \columnseprule \z@
590 \columnsep 35\p@
591 \twocolumn[\section*{\indexname}]%
592 \@mkboth{\MakeUppercase\indexname}%
593 {\MakeUppercase\indexname}%
594 \thispagestyle{plain}\parindent\z@
595 \parskip\z@ \@plus .3\p@\relax
596 \let\item\@idxitem}
597 {\if@restonecol\onecolumn\else\clearpage\fi}

```

10 File artikel1-xetex-bidi.def

```

598 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class for
599 \renewenvironment{theindex}{%
600 \if@twocolumn
601 \@restonecolfalse
602 \else
603 \@restonecoltrue
604 \fi
605 \columnseprule \z@
606 \columnsep 35\p@
607 \twocolumn[\section*{\indexname}]%
608 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
609 \thispagestyle{plain}\parindent\z@
610 \parskip\z@ \@plus .3\p@\relax
611 \let\item\@idxitem
612 }{%
613 \if@restonecol\onecolumn\else\clearpage\fi}
614 \renewcommand*{\head@style}{%
615 \interlinepenalty \@M
616 \hyphenpenalty=\@M \exhyphenpenalty=\@M
617 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
618 \if@titlepage
619 \renewenvironment{abstract}{%
620 \titlepage
621 \null\vfil
622 \section*{\SectFont\abstractname}

```



```

623     \noindent\ignorespaces}
624     {\par\vfil\null\endtitlepage}
625 \else
626   \renewenvironment{abstract}{%
627     \if@twocolumn
628       \section*{\abstractname}%
629     \else
630       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
631       \section*{\small\SectFont\abstractname}%
632       \noindent\ignorespaces
633     \fi}
634     {\if@twocolumn\else\par\egroup\fi}
635 \fi
636 \renewcommand*\@regtocline[3]{%
637   \ifnum #1>\c@tocdepth
638   \else
639     \vskip\z@\@plus.2\p@
640     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
641     \if@RTL\rightskip\else\leftskip\fi\unitindent
642     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
643     \parfillskip\z@
644     \@tempdima\unitindent
645     \parindent\z@
646     \leavevmode
647     \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
648     \hskip 1em \nobreak{\slshape #3}\par
649     }%
650   \fi}
651 \if@oldtoc
652 \renewcommand*\l@part[2]{%
653   \ifnum \c@tocdepth >-2\relax
654     \addpenalty\@secpenalty
655     \addvspace{2.25em \@plus\p@}%
656     \begingroup
657       \setlength\@tempdima{3em}%
658       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
659       \parfillskip -\@pnumwidth
660       {\leavevmode
661         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
662         \nobreak
663         \if@compatibility
664           \global\@nobreaktrue
665           \everypar{\global\@nobreakfalse\everypar{}}%
666         \fi
667       \endgroup
668     \fi}
669 \else
670   \renewcommand*\l@part{%
671     \ifnum \c@tocdepth >-2\relax
672       \addpenalty\@secpenalty

```



```

673 \addvspace{2.25em \@plus \p@}%
674 \regtocline{0}%
675 \fi}
676 \fi
677 \if@oldtoc
678 \renewcommand*\l@section[2]{%
679 \addpenalty\secpenalty
680 \addvspace{1.0em \@plus \p@}%
681 \setlength\tempdima{1.5em}%
682 \begingroup
683 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
684 \parfillskip -\@pnumwidth
685 \leavevmode \bfseries
686 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
687 \hskip -\if@RTL\rightskip\else\leftskip\fi
688 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
689 \endgroup}
690 \else
691 \renewcommand*\l@section{\@regtocline{1}}
692 \fi
693 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
694 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
695 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
696 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
697 \renewenvironment{thebibliography}[1]
698 {\section*\refname}%
699 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
700 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
701 \bidi@thebibliography@font@hook%
702 \list{\@biblabel{\@arabic\c@enumiv}}%
703 {\settowidth\labelwidth{\@biblabel{#1}}%
704 \leftmargin\labelwidth
705 \advance\leftmargin\labelsep
706 \@openbib@code
707 \usecounter{enumiv}%
708 \let\p@enumiv\@empty
709 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
710 \sloppy\clubpenalty4000\widowpenalty4000%
711 \sfcode`\.\@m}
712 {\def\@noitemerr
713 {\@latex@warning{Empty `thebibliography' environment}}%
714 \endlist}
715 \renewcommand*\left@footnoterule{%
716 \kern-3\p@
717 \kern.5\baselineskip
718 \hrule\@width\unitindent
719 \kern.4\baselineskip
720 }
721 \renewcommand*\right@footnoterule{%
722 \kern-3\p@

```



```

723 \kern.5\baselineskip
724 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
725 \kern.4\baselineskip}
726 \if@titlepage
727 \renewcommand*\TitleFont{\rmfamily}
728 \renewcommand*\maketitle{%
729 \begin{titlepage}%
730 \let\footnotesize\small
731 \let\right@footnoterule\relax
732 \let\left@footnoterule\relax
733 \let\textwidth@footnoterule\relax
734 \let \footnote \thanks
735 \long\def\@makefnmark##1{\parindent\z@
736 \def\labelitemi{\textendash}\@revlabeltrue
737 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
738 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
739 \if@compatibility\setcounter{page}{0}\fi
740 \null\vfil
741 \vskip 60\p@
742 \begin{center}%
743 \TitleFont
744 {\LARGE \def\\{\penalty -\@M}
745 \if@allcaps
746 \expandafter\uc@nothanks\@title\thanks\relax
747 \else
748 \@title
749 \fi\par}%
750 \vskip 3em%
751 {\large
752 \lineskip .75em \parindent\z@
753 \begin{tabular}[t]{c}%
754 \if@allcaps
755 \expandafter\uc@author\@author\and\relax
756 \else
757 \@author
758 \fi
759 \end{tabular}\par}%
760 \vskip 1.5em%
761 {\large
762 \if@allcaps
763 \uppercase\expandafter{\@date}%
764 \else
765 \@date
766 \fi\par}%
767 \end{center}\par
768 \@thanks
769 \vfil\null
770 \end{titlepage}%
771 \setcounter{footnote}{0}%
772 \global\let\thanks\relax

```



```

773 \global\let\maketitle\relax
774 \global\let\@thanks\@empty
775 \global\let\@author\@empty
776 \global\let\@title\@empty
777 \global\let\@date\@empty
778 \global\let\title\relax
779 \global\let\author\relax
780 \global\let\date\relax
781 \global\let\and\relax
782 }
783 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
784 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
785 \futurelet\@tempa\uc@ax}
786 \def\uc@ax{%
787 \ifx\@tempa\relax
788 \else
789 \ \andname \ \expandafter\uc@authornothanks
790 \fi}
791 \def\uc@tx{\ifx\@tempa\relax
792 \else \expandafter\uc@ty \fi}
793 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
794 \else
795 \renewcommand*\maketitle{\par
796 \begingroup
797 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
798 \def\@makefnmark{\rlap{%
799 \@textsuperscript{\normalfont\@thefnmark}}}%
800 \long\def\@makefntext{\@xmakefntext{%
801 \@textsuperscript{\normalfont\@thefnmark}}}%
802 \if@twocolumn
803 \ifnum \col@number=\@ne
804 \@maketitle
805 \else
806 \twocolumn[\@maketitle]%
807 \fi
808 \else
809 \newpage
810 \global\@topnum\z@
811 \@maketitle
812 \fi
813 \thispagestyle{plain}\@thanks
814 \endgroup
815 \setcounter{footnote}{0}%
816 \global\let\thanks\relax
817 \global\let\maketitle\relax
818 \global\let\@maketitle\relax
819 \global\let\@thanks\@empty
820 \global\let\@author\@empty
821 \global\let\@title\@empty
822 \global\let\@date\@empty

```



```

823 \global\let\title\relax
824 \global\let\author\relax
825 \global\let\date\relax
826 \global\let\and\relax
827 }
828 \def\@maketitle{%
829 \newpage
830 \null
831 \vskip 2em%
832 \begin{center}%
833 \let \footnote \thanks
834 {\LARGE \TitleFont \@title \par}%
835 \vskip 1.5em%
836 {\large \TitleFont
837 \lineskip .5em%
838 \begin{tabular}[t]{c}%
839 \@author
840 \end{tabular}\par}%
841 \vskip 1em%
842 {\large \TitleFont \@date}%
843 \end{center}%
844 \par
845 \vskip 1.5em}
846 \fi

```

11 File artikel2-xetex-bidi.def

```

847 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class for
848 \renewenvironment{theindex}{%
849 \if@twocolumn
850 \@restonecolfalse
851 \else
852 \@restonecoltrue
853 \fi
854 \columnseprule \z@
855 \columnsep 35\p@
856 \twocolumn[\section*{\indexname}]%
857 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
858 \thispagestyle{plain}\parindent\z@
859 \parskip\z@ \@plus .3\p@\relax
860 \let\item\@idxitem
861 }{%
862 \if@restonecol\onecolumn\else\clearpage\fi}
863 \renewcommand*\@regtocline[3]{%
864 \ifnum #1>\c@tocdepth
865 \else
866 \vskip\z@ \@plus .2\p@
867 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
868 \if@RTL\rightskip\else\leftskip\fi\unitindent
869 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil

```



```

870 \parfillskip\z@
871 \@tempdima\unitindent
872 \advance\@tempdima by \othermargin
873 \parindent\z@
874 \leavevmode
875 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
876 \hskip 1em \nobreak{\slshape #3}\par
877 }%
878 \fi}
879 \if@oldtoc
880 \renewcommand*\l@section[2]{%
881 \addpenalty\@secpenalty
882 \addvspace{1.0em \@plus\p@}%
883 \setlength\@tempdima{1.5em}%
884 \begingroup
885 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
886 \parfillskip -\@pnumwidth
887 \leavevmode \bfseries
888 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
889 \hskip -\if@RTL\righskip\else\leftskip\fi
890 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
891 \endgroup}
892 \else
893 \renewcommand*\l@section{\@regtocline{1}}
894 \fi
895 \if@oldtoc
896 \renewcommand*\l@part[2]{%
897 \ifnum \c@tocdepth >-2\relax
898 \addpenalty\@secpenalty
899 \addvspace{2.25em \@plus\p@}%
900 \begingroup
901 \setlength\@tempdima{3em}%
902 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
903 \parfillskip -\@pnumwidth
904 {\leavevmode
905 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
906 \nobreak
907 \if@compatibility
908 \global\@nobreaktrue
909 \everypar{\global\@nobreakfalse\everypar{}}%
910 \fi
911 \endgroup
912 \fi}
913 \else
914 \renewcommand*\l@part{%
915 \ifnum \c@tocdepth >-2\relax
916 \addpenalty\@secpenalty
917 \addvspace{2.25em \@plus \p@}%
918 \@regtocline{0}%
919 \fi}

```



```

920 \fi
921 \renewcommand*\head@style{%
922     \interlinepenalty \@M
923     \hyphenpenalty=\@M \exhyphenpenalty=\@M
924     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
925 \if@titlepage
926 \renewenvironment{abstract}{%
927     \titlepage
928     \null\vfil
929     \section*{\SectFont\abstractname}%
930     \noindent\ignorespaces}
931     {\par\vfil\null\endtitlepage}
932 \else
933 \renewenvironment{abstract}{%
934     \if@twocolumn
935         \section*{\abstractname}%
936     \else
937         \section*{\hspace\unitindent\small\SectFont\abstractname}%
938         \list{}{\setlength\listparindent{\unitindent}%
939             \setlength\parindent {\z@}%
940             \setlength\leftmargin {\unitindent}%
941             \setlength\rightmargin {\unitindent}%
942             \setlength\parsep {\z@}}%
943         \item[]%
944     \fi}
945     {\if@twocolumn\else\par\endlist\fi}
946 \fi
947 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
948 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
949 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
950 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
951 \renewcommand*\left@footnoterule{%
952     \kern-3\p@
953     \hrule\@width 3\unitindent
954     \kern 2.6\p@
955 }
956 \renewcommand*\right@footnoterule{%
957     \kern-3\p@
958     \hbox to \columnwidth{\hspace \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
959     \kern 2.6\p@}
960 \renewenvironment{thebibliography}[1]
961     {\section*{\refname}%
962         \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
963         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
964         \bidi@thebibliography@font@hook%
965         \list{\@biblabel{\@arabic\c@enumiv}}%
966             {\settowidth\labelwidth{\@biblabel{#1}}%
967             \leftmargin\labelwidth
968             \advance\leftmargin\labelsep
969             \@openbib@code

```




```

970         \usecounter{enumiv}%
971         \let\p@enumiv\@empty
972         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
973     \sloppy\clubpenalty4000\widowpenalty4000%
974     \sfcode`\.\@m}
975     {\def\@noitemerr
976      {\@latex@warning{Empty `thebibliography' environment}}}%
977     \endlist}
978 \if@titlepage
979 \renewcommand*\TitleFont{\rmfamily}
980 \renewcommand*\maketitle{%
981 \begin{titlepage}%
982     \let\footnotesize\small
983     \let\right@footnoterule\relax
984     \let\left@footnoterule\relax
985     \let\textwidth\footnoterule\relax
986     \let \footnote \thanks
987     \long\def\@makefnmark{\parindent\z@
988       \def\labelitemi{\textendash}\@revlabeltrue
989       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
990     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
991     \if@compatibility\setcounter{page}{0}\fi
992     \null\vfil
993     \vskip 60\p@
994     \begin{center}%
995       \TitleFont
996       {\LARGE \def\{\{\penalty -\@M}
997       \if@allcaps
998         \expandafter\uc@nothanks\@title\thanks\relax
999       \else
1000         \@title
1001       \fi\par}%
1002     \vskip 3em%
1003     {\large
1004       \lineskip .75em \parindent\z@
1005       \begin{tabular}[t]{c}%
1006         \if@allcaps
1007           \expandafter\uc@authornothanks\@author\and\relax
1008         \else
1009           \@author
1010         \fi
1011       \end{tabular}\par}%
1012     \vskip 1.5em%
1013     {\large
1014       \if@allcaps
1015         \uppercase\expandafter{\@date}%
1016       \else
1017         \@date
1018       \fi\par}%
1019     \end{center}\par

```



```

1020 \thanks
1021 \vfil\null
1022 \end{titlepage}%
1023 \setcounter{footnote}{0}%
1024 \global\let\thanks\relax
1025 \global\let\maketitle\relax
1026 \global\let\@thanks\@empty
1027 \global\let\@author\@empty
1028 \global\let\@title\@empty
1029 \global\let\@date\@empty
1030 \global\let\title\relax
1031 \global\let\author\relax
1032 \global\let\date\relax
1033 \global\let\and\relax
1034 }
1035 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1036 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1037 \futurelet\@tempa\uc@ax}
1038 \def\uc@ax{%
1039 \ifx\@tempa\relax
1040 \else
1041 \\\andname \\\expandafter\uc@authornothanks
1042 \fi}
1043 \def\uc@tx{\ifx\@tempa\relax
1044 \else \expandafter\uc@ty \fi}
1045 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1046 \else
1047 \renewcommand*\maketitle{\par
1048 \begingroup
1049 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1050 \long\def\@makefntext##1{\parindent\z@
1051 \def\labelitemi{\textendash}%
1052 \leavevmode\hb@xt@.5\unitindent{%
1053 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1054 \if@twocolumn
1055 \ifnum \col@number=\@ne
1056 \@maketitle
1057 \else
1058 \twocolumn[\@maketitle]%
1059 \fi
1060 \else
1061 \newpage
1062 \global\@topnum\z@
1063 \@maketitle
1064 \fi
1065 \thispagestyle{plain}\@thanks
1066 \endgroup
1067 \setcounter{footnote}{0}%
1068 \global\let\thanks\relax
1069 \global\let\maketitle\relax

```



```

1070 \global\let\@maketitle\relax
1071 \global\let\@thanks\@empty
1072 \global\let\@author\@empty
1073 \global\let\@title\@empty
1074 \global\let\@date\@empty
1075 \global\let\title\relax
1076 \global\let\author\relax
1077 \global\let\date\relax
1078 \global\let\and\relax
1079 }
1080 \def\@maketitle{%
1081 \newpage
1082 \null
1083 \vskip 2em%
1084 \begin{center}%
1085 \let \footnote \thanks
1086 {\LARGE \TitleFont \@title \par}%
1087 \vskip 1.5em%
1088 {\large \TitleFont
1089 \lineskip .5em%
1090 \begin{tabular}[t]{c}%
1091 \@author
1092 \end{tabular}\par}%
1093 \vskip 1em%
1094 {\large \TitleFont \@date}%
1095 \end{center}%
1096 \par
1097 \vskip 1.5em}
1098 \fi

```

12 File artikel3-xetex-bidi.def

```

1099 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class for
1100 \renewenvironment{theindex}{%
1101 \if@twocolumn
1102 \@restonecolfalse
1103 \else
1104 \@restonecoltrue
1105 \fi
1106 \columnseprule \z@
1107 \columnsep 35\p@
1108 \twocolumn[\section*{\indexname}]%
1109 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1110 \thispagestyle{plain}\parindent\z@
1111 \parskip\z@ \@plus .3\p@\relax
1112 \let\item\@idxitem
1113 }{%
1114 \if@restonecol\onecolumn\else\clearpage\fi}
1115 \renewcommand*{\head@style}{%
1116 \interlinepenalty \@M

```



```

1117 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1118 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1119 \renewcommand*\@regtocline[3]{%
1120 \ifnum #1>\c@tocdepth
1121 \else
1122 \vskip\z@\@plus.2\p@
1123 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1124 \if@RTL\rightskip\else\leftskip\fi\unitindent
1125 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1126 \parfillskip\z@
1127 \@tempdima\unitindent
1128 \parindent\z@
1129 \leavevmode
1130 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1131 \hskip 1em \nobreak{\slshape #3}\par
1132 }%
1133 \fi}
1134 \if@oldtoc
1135 \renewcommand*\l@part[2]{%
1136 \ifnum \c@tocdepth >-2\relax
1137 \addpenalty\@secpenalty
1138 \addvspace{2.25em \@plus\p@}%
1139 \begingroup
1140 \setlength\@tempdima{3em}%
1141 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1142 \parfillskip -\@pnumwidth
1143 {\leavevmode
1144 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1145 \nobreak
1146 \if@compatibility
1147 \global\@nobreaktrue
1148 \everypar{\global\@nobreakfalse\everypar{}}%
1149 \fi
1150 \endgroup
1151 \fi}
1152 \else
1153 \renewcommand*\l@part{%
1154 \ifnum \c@tocdepth >-2\relax
1155 \addpenalty\@secpenalty
1156 \addvspace{2.25em \@plus \p@}%
1157 \@regtocline{0}%
1158 \fi}
1159 \fi
1160
1161 \if@oldtoc
1162 \renewcommand*\l@section[2]{%
1163 \addpenalty\@secpenalty
1164 \addvspace{1.0em \@plus\p@}%
1165 \setlength\@tempdima{1.5em}%
1166 \begingroup

```



```

1167 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1168 \parfillskip -\@pnumwidth
1169 \leavevmode \bfseries
1170 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1171 \hskip -\if@RTL\rightskip\else\leftskip\fi
1172 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1173 \endgroup}
1174 \else
1175 \renewcommand*\l@section{\@regtocline{1}}
1176 \fi
1177 \if@titlepage
1178 \renewenvironment{abstract}{%
1179 \titlepage
1180 \null\vfil
1181 \section*{\SectFont\abstractname}%
1182 \noindent\ignorespaces}
1183 {\par\vfil\null\endtitlepage}
1184 \else
1185 \renewenvironment{abstract}{%
1186 \if@twocolumn
1187 \section*{\abstractname}%
1188 \else
1189 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1190 \section*{\small\SectFont\abstractname}%
1191 \noindent\ignorespaces
1192 \fi}
1193 {\if@twocolumn\else\par\egroup\fi}
1194 \fi
1195 \renewcommand*\left@footnoterule{%
1196 \kern-3\p@
1197 \kern.5\baselineskip
1198 \hrule\@width\unitindent
1199 \kern.4\baselineskip
1200 }
1201 \renewcommand*\right@footnoterule{%
1202 \kern-3\p@
1203 \kern.5\baselineskip
1204 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1205 \kern.4\baselineskip}
1206 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
1207 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1208 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1209 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1210 \renewenvironment{thebibliography}[1]
1211 {\section*{\refname}%
1212 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1213 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1214 \bidi@@thebibliography@font@hook%
1215 \list{\@biblabel{\@arabic\c@enumiv}}%
1216 {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

1217         \leftmargin\labelwidth
1218         \advance\leftmargin\labelsep
1219         \@openbib@code
1220         \usecounter{enumiv}%
1221         \let\p@enumiv\@empty
1222         \renewcommand*{\theenumiv}{\@arabic\c@enumiv}}}%
1223     \sloppy\clubpenalty4000\widowpenalty4000%
1224     \sfcode`.\@m}
1225     {\def\@noitemerr
1226       {\@latex@warning{Empty `thebibliography' environment}}}%
1227     \endlist}
1228 \if@titlepage
1229 \renewcommand*{\TitleFont{\rmfamily}
1230 \renewcommand*{\maketitle{%
1231   \begin{titlepage}%
1232     \let\footnotesize\small
1233     \let\right@footnoterule\relax
1234     \let\left@footnoterule\relax
1235     \let\textwidth\footnoterule\relax
1236     \let \footnote \thanks
1237     \long\def\@makefnmark##1{\parindent\z@
1238       \def\labelitemi{\textendash}\@revlabeltrue
1239       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1240     \renewcommand*{\thefootnote}{\@fnsymbol\c@footnote}%
1241     \if@compatibility\setcounter{page}{0}\fi
1242     \null\vfil
1243     \vskip 60\p@
1244     \begin{center}%
1245       \TitleFont
1246       {\LARGE \def\\{\penalty -\@M}
1247         \if@allcaps
1248           \expandafter\uc@nothanks\@title\thanks\relax
1249         \else
1250           \@title
1251         \fi\par}%
1252       \vskip 3em%
1253       {\large
1254         \lineskip .75em \parindent\z@
1255         \begin{tabular}[t]{c}%
1256           \if@allcaps
1257             \expandafter\uc@authornothanks\@author\and\relax
1258           \else
1259             \@author
1260           \fi
1261         \end{tabular}\par}%
1262       \vskip 1.5em%
1263       {\large
1264         \if@allcaps
1265           \uppercase\expandafter{\@date}%
1266         \else

```



```

1267         \@date
1268         \fi\par}%
1269     \end{center}\par
1270     \@thanks
1271     \vfil\null
1272 \end{titlepage}%
1273 \setcounter{footnote}{0}%
1274 \global\let\thanks\relax
1275 \global\let\maketitle\relax
1276 \global\let\@thanks\@empty
1277 \global\let\@author\@empty
1278 \global\let\@title\@empty
1279 \global\let\@date\@empty
1280 \global\let\title\relax
1281 \global\let\author\relax
1282 \global\let\date\relax
1283 \global\let\and\relax
1284 }
1285 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1286 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1287     \futurelet\@tempa\uc@ax}
1288 \def\uc@ax{%
1289     \ifx\@tempa\relax
1290     \else
1291         \\\andname \\\expandafter\uc@authornothanks
1292     \fi}
1293 \def\uc@tx{\ifx\@tempa\relax
1294     \else \expandafter\uc@ty \fi}
1295 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1296 \else
1297 \renewcommand*\maketitle{\par
1298     \begingroup
1299     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1300     \def\@makefnmark{\rlap{%
1301         \@textsuperscript{\normalfont\@thefnmark}}}%
1302     \long\def\@makefntext{\@xmakefntext{%
1303         \@textsuperscript{\normalfont\@thefnmark}}}%
1304     \if@twocolumn
1305         \ifnum \col@number=\@ne
1306             \@maketitle
1307         \else
1308             \twocolumn[\@maketitle]%
1309         \fi
1310     \else
1311         \newpage
1312         \global\@topnum\z@
1313         \@maketitle
1314     \fi
1315     \thispagestyle{plain}\@thanks
1316 \endgroup

```



```

1317 \setcounter{footnote}{0}%
1318 \global\let\thanks\relax
1319 \global\let\maketitle\relax
1320 \global\let\@maketitle\relax
1321 \global\let\@thanks\@empty
1322 \global\let\@author\@empty
1323 \global\let\@title\@empty
1324 \global\let\@date\@empty
1325 \global\let\title\relax
1326 \global\let\author\relax
1327 \global\let\date\relax
1328 \global\let\and\relax
1329 }
1330 \def\@maketitle{%
1331 \newpage
1332 \null
1333 \vskip 2em%
1334 \if@titlecentered
1335 \begin{center}%
1336 \let \footnote \thanks
1337 {\LARGE \TitleFont \@title \par}%
1338 \vskip 1.5em%
1339 {\large \TitleFont
1340 \lineskip .5em%
1341 \begin{tabular}[t]{c}%
1342 \@author
1343 \end{tabular}\par}%
1344 \vskip 1em%
1345 {\large \TitleFont \@date}%
1346 \end{center}%
1347 \else
1348 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1349 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1350 \def\and{%% \begin{tabular} has already started
1351 \end{tabular}\hskip 1em plus .17fil
1352 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
1353 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par
1354 \vskip 1em {\large \TitleFont \@date}
1355 \fi
1356 \par
1357 \vskip 1.5em}
1358 \fi

```

13 File arydshln-xetex-bidi.def

```

1359 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1360 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1361 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1362 \expandafter\let\csname endtabular*\endcsname\endtabular
1363 \let\adl@array\@array

```




```

1364 \def\@array{\adl@everyvbox\everyvbox
1365         \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1366         \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1367         \let\adl@noalign\noalign
1368         \adl@array}
1369 \ifadl@usingarypkg
1370 \def\@testpach{\@chclass
1371 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1372 \ifnum \@lastchclass=7 5 \else
1373 \ifnum \@lastchclass=8 \tw@ \else
1374 \ifnum \@lastchclass=9 \thr@@
1375 \else \z@
1376 \ifnum \@lastchclass = 10 \else
1377 \edef\@nextchar{\expandafter\string\@nextchar}%
1378 \@chnum
1379 \if \@nextchar c\z@ \else
1380 \if \@nextchar \ifRTLT@ r\else l\fi\@ne \else
1381 \if \@nextchar \ifRTLT@ l\else r\fi\tw@ \else
1382 \z@ \@chclass
1383 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1384 \if \@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1385 \if \@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1386 \if \@nextchar !6 \else
1387 \if \@nextchar @7 \else
1388 \if \@nextchar <8 \else
1389 \if \@nextchar >9 \else
1390 10
1391 \@chnum
1392 \if \@nextchar m\thr@@\else
1393 \if \@nextchar p4 \else
1394 \if \@nextchar b5 \else
1395 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1396 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1397
1398 \def\@classz{\@classx
1399 \@tempcnta \count@
1400 \prepnext@tok
1401 \@addtopreamble{\ifcase \@chnum
1402 \hfil
1403 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1404 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1405 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1406 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1407 \adl@endmbox\or
1408 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1409 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1410 \fi}\prepnext@tok}
1411 \def\adl@classstart{4}
1412 \def\adl@class@iiiorvii{7}
1413

```



```

1414 \else
1415 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1416 \ifnum \@lastchclass=\thr@@ 5\relax \else
1417 \z@ \if #1c\@chnum \z@ \else
1418 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1419 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1420 \@chclass
1421 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1422 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1423 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1424 \if #1@\tw@ \else
1425 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1426 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1427
1428 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1429 \or \or \@addamp \or
1430 \@acolampacol \or \@firstampfalse \@acol \fi
1431 \edef\@preamble{\@preamble
1432 \ifcase \@chnum
1433 \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1434 \or \adl@putlrc{\$relax\@sharp$}\hfil
1435 \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1436 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1437 \or \or \@addamp \or
1438 \@acolampacol \or \@firstampfalse \@acol \fi
1439 \edef\@preamble{\@preamble
1440 \ifcase \@chnum
1441 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1442 \or \adl@putlrc{\@sharp\unskip}\hfil
1443 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1444 \def\adl@class@start{6}
1445 \def\adl@class@iiiorvii{3}
1446 \fi
1447 \ifpackageloaded{colortbl}{%
1448 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1449 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1450 \let\@endpbox\adl@org@endpbox}
1451 \let\adl@CT@setup\CT@setup
1452 \def\CT@setup{\adl@CT@setup
1453 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1454 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1455 \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1456 \let\adl@act@CT@setup\CT@setup
1457 \def\@classz{\@classx
1458 \@tempcnta\count@ \prepnext@tok
1459 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1460 \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1461 \expandafter\adl@extract@drsc
1462 \the\toks\@tempcnta\doublerulesepcolor!\@nil
1463 \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil

```



```

1464 \addtopreamble{\if@RTL\beginL\fi%
1465 \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1466 \ifcase \@chnum
1467 \hskip\stretch{.5}\kern\z@
1468 \d@llarbegin
1469 \insert@column
1470 \d@llarend\hskip\stretch{.5}%
1471 \or \d@llarbegin \insert@column \d@llarend \hfill
1472 \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1473 \or $\vcenter
1474 \startpbox{\@nextchar}\insert@column \endpbox $%
1475 \or \vtop \startpbox{\@nextchar}\insert@column \endpbox
1476 \or \vbox \startpbox{\@nextchar}\insert@column \endpbox
1477 \fi
1478 \if@RTL\endR\fi\egroup\egroup
1479 \begingroup
1480 \CT@setup
1481 \CT@column@color
1482 \CT@row@color
1483 \CT@cell@color
1484 \CT@do@color
1485 \endgroup
1486 \@tempdima\ht\z@
1487 \advance\@tempdima\minrowclearance
1488 \vrule\@height\@tempdima\@width\z@
1489 \unhbox\z@\if@RTL\endL\fi}%
1490 \prepnext@tok}
1491 \let\adl@act@classz\@classz
1492 \let\adl@org@classz\@classz
1493 }{}

```

14 File bidi.sty

```

1494 \NeedsTeXFormat{LaTeX2e}
1495 \def\bididate{2018/10/17}
1496 \def\bidiversion{35.0}
1497 \ProvidesPackage{bidi}[\bididate\space v\bidiversion\space
1498 Bidirectional typesetting in plain TeX and LaTeX]
1499 \edef\@bidi@info{*****^^J%
1500 * ^^J%
1501 * bidi package (Bidirectional typesetting in^^J%
1502 * plain TeX and LaTeX, using XeTeX engine)^^J%
1503 * ^^J%
1504 * Description: A convenient interface for^^J%
1505 * typesetting bidirectional texts in plain TeX^^J%
1506 * and LaTeX. The package includes adaptations^^J%
1507 * for use with many other commonly-used packages.^^J%
1508 * ^^J%
1509 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1510 * ^^J%

```



```

1511 * v\bidi@version, \bididate^^J%
1512 * ^^J%
1513 * License: LaTeX Project Public License, version^^J%
1514 * 1.3c or higher (your choice)^^J%
1515 * ^^J%
1516 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1517 * ^^J%
1518 * Issue tracker: https://sourceforge.net/p/persian-tex-dist/tickets^^J%
1519 * ^^J%
1520 * Support: http://tug.org/mailman/listinfo/persiantex^^J%
1521 * ^^J%
1522 *****}
1523 \typeout{\@bidi@info}
1524 \edef\bidi@everyjob{\the\everyjob}
1525 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1526 \newcommand*{\bidiversion}{\ensuremath\bidi@version}
1527 \newcommand*{\IfbidiPackageVersionLater}[1]{%
1528   \ifdim\bidi@version pt > #1 pt %
1529     \expandafter\@firstoftwo
1530   \else
1531     \expandafter\@secondoftwo
1532   \fi}
1533 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
1534   \ifdim\bidi@version pt < #1 pt %
1535     \expandafter\@firstoftwo
1536   \else
1537     \expandafter\@secondoftwo
1538   \fi}
1539 \newcommand*{\IfbidiPackageVersion}[1]{%
1540   \ifdim\bidi@version pt = #1 pt %
1541     \expandafter\@firstoftwo
1542   \else
1543     \expandafter\@secondoftwo
1544   \fi}
1545 \RequirePackage{iftex}
1546 \RequireXeTeX
1547 \RequirePackage{bidiutils}
1548 \RequirePackage{zref-abspage}
1549 \RequirePackage{auxhook}
1550 \RequirePackage{ltxcmds}
1551 \RequirePackage{xkeyval}
1552 \eqnewif{\if@RTLmain}{\if@rlmain}
1553 \eqnewif{\if@RTL}{\if@rl}
1554 \newif\if@nonlatin
1555 \newif\if@bidi@perpage@footnote
1556 \newcommand*{\setlatin}{\@nonlatinfalse}
1557 \newcommand*{\setnonlatin}{\@nonlatintrue}
1558 \eqnewif{\if@RTLtab}{\if@tab@rl}
1559 \newif\if@hboxRconstruct
1560 \newif\if@bidi@pdfencrypt

```



```

1561 \newcommand*{\setRTLtable}{\@RTLtabtrue}
1562 \newcommand*{\setLTRtable}{\@RTLtabfalse}
1563 \newif\if@bidi@pdfm@mark
1564 \newif\if@RTLmarginpar
1565 \newif\if@LTRmarginpar
1566 \newif\if@LTRbibitems
1567 \newif\if@RTLbibitems
1568 \newif\if@extrafootnotefeatures
1569 \newif\if@RTLcolumnfootnotes
1570 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1571 \newif\if@bidi@list@minipage@parbox
1572 \newif\if@bidi@list@minipage@parbox@not@nob
1573 \newcommand*{\@bidi@pdfcreator}{%
1574   The bidi package, v\@bidi@version, \@bidi@date
1575 }
1576 \newcommand*{\@bidi@pdfproducer}{%
1577   The bidi package, v\@bidi@version, \@bidi@date
1578 }
1579 \newcommand*{\@bidi@pdfcustomproperties}{%
1580   This is the bidi package, Version \@bidi@version,
1581   Released October 17, 2018.
1582 }
1583 \@RTLmainfalse
1584 \AtBeginDocument{%
1585   \if@RTLmain\else
1586     \if@RTL@\@RTLmaintrue%
1587     \else\@RTLmainfalse%
1588     \fi%
1589   \fi%
1590 }
1591 \let\n@xt=\
1592 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1593 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1594 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1595 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1596 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1597   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1598 \newinsert\@bidi@copyins@
1599 \skip\@bidi@copyins@=12\p@
1600 \dimen\@bidi@copyins@=40pc
1601 \count\@bidi@copyins@=1000
1602 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
1603 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
1604   \if@RTLmain
1605     \if@twocolumn
1606       \hboxR to \columnwidth
1607     \else
1608       \hboxR to \textwidth
1609     \fi
1610   \else

```



```

1611 \if@twocolumn
1612 \hboxL to \columnwidth
1613 \else
1614 \hboxL to \textwidth
1615 \fi
1616 \fi
1617 }
1618 \newcommand*{\@bidi@logo}[1]{%
1619 \toks@{%
1620 \setbox\z@\hbox{%
1621 \special{%
1622 pdf:image width 50pt height 50pt (#1)%
1623 }
1624 }%
1625 \dp\z@\z@
1626 \ht\z@=50pt
1627 \wd\z@=50pt
1628 \beginL
1629 \lower20pt\box\z@
1630 \endL
1631 }%
1632 \the\toks@
1633 }
1634 \newcommand*{\@bidi@logo@}{%
1635 \@bidi@logo@hb@xt@columnwidth
1636 {\hss\LRE{\bfseries Typeset by the \textsf{bidi}
1637 package\quad\@bidi@logo{bidi-logo.pdf}}}}
1638 \define@key{bidi@pdfencrypt}{userpassword}[]{%
1639 \def\bidi@pdfencrypt@userpassword{#1}%
1640 }
1641 \define@key{bidi@pdfencrypt}{ownerpassword}[]{%
1642 \def\bidi@pdfencrypt@ownerpassword{#1}%
1643 }
1644 \define@key{bidi@pdfencrypt}{keylength}[128]{%
1645 \def\bidi@pdfencrypt@keylength{#1}%
1646 }
1647 \define@key{bidi@pdfencrypt}{permissionflags}[2052]{%
1648 \def\bidi@pdfencrypt@permissionflags{#1}%
1649 }
1650 \newcommand*{\pdfencryptsetup}{\setkeys{bidi@pdfencrypt}}
1651 \@onlypreamble\pdfencryptsetup
1652 \input{latex-xetex-bidi.def}
1653 \input{loadingorder-xetex-bidi.def}
1654 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1655 \ifcase\bidi@tempb\relax
1656 \RTLtrue
1657 \or
1658 \RTLfalse
1659 \fi}
1660 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}

```



```

1661 \ifcase\bidit@tempb\relax
1662   \@RTLtrue
1663 \or
1664   \@RTLfalse
1665 \fi}
1666 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1667   \ifcase\bidit@tempb\relax
1668     \@RTLtabtrue
1669 \or
1670     \@RTLtabfalse
1671 \fi}
1672 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
1673   \ifcase\bidit@tempb\relax
1674     \@nonlatinfalse
1675 \or
1676     \@nonlatintrue
1677 \fi}
1678 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1679   \ifcase\bidit@tempb\relax
1680     \@RTLtrue
1681 \or
1682     \@RTLfalse
1683 \fi}
1684 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,t
1685   \ifcase\bidit@tempb\relax
1686     \autofootnoterule
1687 \or
1688     \leftfootnoterule
1689 \or
1690     \rightfootnoterule
1691 \or
1692     \SplitFootnoteRule
1693 \or
1694     \textwidthfootnoterule
1695 \fi}
1696 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1697   \ifcase\bidit@tempb\relax
1698     \@RTL@footnotetrue
1699 \or
1700     \@RTL@footnotefalse
1701 \fi}
1702 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1703   \ifcase\bidit@tempb\relax
1704     \footdir@debugtrue
1705 \or
1706     \footdir@debugfalse
1707 \fi}
1708 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1709   \ifcase\bidit@tempb\relax
1710     \@extrafootnotefeaturetrue

```



```

1711 \or
1712 \extrafootnotefeaturesfalse
1713 \fi}
1714
1715 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1716 \ifcase\bidi@tempb\relax
1717 \def\bidi@firstcolumn@status@write{%
1718 \protected@write\@auxout{%
1719 \string\bidi@column@status
1720 {1}}}%
1721 \def\bidi@lastcolumn@status@write{%
1722 \protected@write\@auxout{%
1723 \string\bidi@column@status{2}}}%
1724 \or
1725 \let\bidi@firstcolumn@status@write\relax
1726 \let\bidi@lastcolumn@status@write\relax
1727 \fi}
1728
1729 \define@choicekey{bidi.sty}{logo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1730 \ifcase\bidi@tempb\relax
1731 \AtBeginDocument{\@bidi@inslogo@}%
1732 \or
1733 \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
1734 \fi}
1735
1736 \define@choicekey{bidi.sty}{pdfinfo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1737 \ifcase\bidi@tempb\relax
1738 \@bidi@pdfm@marktrue
1739 \or
1740 \@bidi@pdfm@markfalse
1741 \fi}
1742
1743 % The 'perpagefootnote' option is documented in UK TeX FAQ at
1744 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
1745
1746 \define@choicekey{bidi.sty}{perpagefootnote}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1747 \ifcase\bidi@tempb\relax
1748 \@bidi@perpage@footnotetrue
1749 \or
1750 \@bidi@perpage@footnotefalse
1751 \fi}
1752
1753 \ExecuteOptionsX{%
1754 DetectColumn=off%
1755 }
1756
1757 \ProcessOptionsX
1758
1759 \pdfencryptsetup{%
1760 userpassword,%

```




```

1761 ownerpassword,%
1762 keylength,%
1763 permissionflags%
1764 }
1765
1766 \if@extrafootnotefeatures
1767 \input{extrafootnotefeatures-xetex-bidi.def}
1768 \fi
1769 \newcount\bididigits
1770 \XeTeXinterchartokenstate=\@ne
1771 \newXeTeXintercharclass\bididigits@charclass
1772 \newXeTeXintercharclass\bidisepmark@charclass
1773 \XeTeXcharclass \\. \bidisepmark@charclass
1774 \XeTeXcharclass \- \bidisepmark@charclass
1775 \bididigits=\0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigits<
1776 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigits<
1777 \XeTeXinterchartoks \bidisepmark@charclass \bididigits@charclass = {\DigitsDotDashInterChar
1778 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
1779 \bidi@AtEndPreamble{%
1780 \if@bidi@perpage@footnote
1781 \RequirePackage{bidi-perpage}%
1782 \ResetCounterPerPage{footnote}%
1783 \fi
1784 \ifx\bidipdfencrypt@ownerpassword\bidiepty
1785 \ifx\bidipdfencrypt@userpassword\bidiepty
1786 \@bidi@pdfencryptfalse
1787 \else
1788 \@bidi@pdfencrypttrue
1789 \fi
1790 \else
1791 \@bidi@pdfencrypttrue
1792 \fi
1793 \if@bidi@pdfencrypt
1794 \special{pdf:encrypt
1795 userpw (\bidipdfencrypt@userpassword)
1796 ownerpw (\bidipdfencrypt@ownerpassword)
1797 length \bidipdfencrypt@keylength
1798 perm \bidipdfencrypt@permissionflags
1799 }%
1800 \fi
1801 }
1802 \AtEndDocument{%
1803 \special{pdf:%
1804 docinfo<<%
1805 \if@bidi@pdfm@mark
1806 /Creator(\@bidi@pdfcreator)%
1807 /Producer(\@bidi@pdfproducer)%
1808 \fi
1809 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1810 \if@bidi@csdef{@xepersian@pdfcustomproperties}{%

```



```

1811      /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
1812    }{}%
1813    >>%
1814  }%
1815 }

```

15 File `bidi.tex`

```

1816 \def\bididate{2018/10/17}
1817 \catcode`\@=11
1818 \def\bidi@version{35.0}
1819 \let \protect \relax
1820 \newlinechar`\^^J
1821 \edef\@bidi@info{*****^^J%
1822 * ^^J%
1823 * bidi package (Bidirectional typesetting in^^J%
1824 * plain TeX and LaTeX, using XeTeX engine)^^J%
1825 * ^^J%
1826 * Description: A convenient interface for^^J%
1827 * typesetting bidirectional texts in plain TeX^^J%
1828 * and LaTeX. The package includes adaptations^^J%
1829 * for use with many other commonly-used packages.^^J%
1830 * ^^J%
1831 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1832 * ^^J%
1833 * v\@bidi@version, \bididate^^J%
1834 * ^^J%
1835 * License: LaTeX Project Public License, version^^J%
1836 * 1.3c or higher (your choice)^^J%
1837 * ^^J%
1838 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1839 * ^^J%
1840 * Issue tracker: https://sourceforge.net/p/persian-tex-dist/tickets^^J%
1841 * ^^J%
1842 * Support: http://tug.org/mailman/listinfo/persiantex^^J%
1843 * ^^J%
1844 * *****}
1845 \message{\@bidi@info}
1846 \edef\bidi@everyjob{\the\everyjob}
1847 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1848 \def\bidiversion{%
1849   \relax
1850   \ifmmode
1851     \bidi@version
1852   \else
1853     $\bidi@version$
1854   \fi
1855 }
1856 \input iftex.sty
1857 \RequireXeTeX

```



```

1858 \newif\if@bidi@pdfm@mark
1859 \newif\if@RTLmain
1860 \newif\if@RTL
1861 \newif\if@hboxRconstruct
1862 \newif\if@sendif
1863 \newif\if@RTL@footnote
1864 \@RTLmainfalse
1865 \def\setRTLmain{%
1866   \if@RTLmain\else
1867     \if@RTL\@RTLmaintrue%
1868     \else\@RTLmainfalse%
1869     \fi%
1870   \fi%
1871 }
1872 \let\n@xt=
1873 \protected\def\LRE{\protect\pLRE}%
1874 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1875 \protected\def\RLE{\protect\pRLE}
1876 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1877 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1878   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1879 \newinsert\@bidi@copyins@
1880 \skip\@bidi@copyins@=12\p@
1881 \dimen\@bidi@copyins@=40pc
1882 \count\@bidi@copyins@=1000
1883 \def\@bidi@inslogo@{\insert\@bidi@copyins@{\@bidi@logo@}}
1884 \def\@bidi@logo@hb@xt@{%
1885   \if@RTLmain
1886     \hboxR to
1887   \else
1888     \hboxL to
1889   \fi
1890 }
1891 \def\@bidi@logo#1{%
1892   \toks@{%
1893     \setbox\z@\hbox{%
1894       \special{%
1895         pdf:image width 50pt height 50pt (#1)%
1896       }
1897     }%
1898     \dp\z@\z@
1899     \ht\z@=50pt
1900     \wd\z@=50pt
1901     \beginL
1902       \lower20pt\box\z@
1903     \endL
1904   }%
1905   \the\toks@
1906 }
1907 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@

```



```

1908 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
1909 \def\@bidi@pdfcreator{%
1910   The bidi package, v\@bidi@version, \bidi@date
1911 }
1912 \def\@bidi@pdfproducer{%
1913   The bidi package, v\@bidi@version, \bidi@date
1914 }
1915 \def\@bidi@pdfcustomproperties{%
1916   This is the bidi package, Version \@bidi@version,
1917   Released October 17, 2018.
1918 }
1919 \def\bidi@pdfm@mark{%
1920   \special{pdf:
1921     docinfo<<%
1922       \if\bidi@pdfm@mark
1923         /Creator(\@bidi@pdfcreator)%
1924         /Producer(\@bidi@pdfproducer)%
1925       \fi
1926       /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1927     >>%
1928   }%
1929 }
1930 \def\bidi@pdfinfoon{\@bidi@pdfm@marktrue}
1931 \def\bidi@pdfinfooff{\@bidi@pdfm@markfalse}
1932 \input plain-xetex-bidi.def
1933 \@bidi@inslogo@
1934 \outer\def\bye{\par\vfill\supereject\bidi@pdfm@mark\end}
1935 \catcode\@=12
1936 \bidi@pdfinfoon

```

16 File bidi2in1.sty

```

1937 \NeedsTeXFormat{LaTeX2e}
1938 \ProvidesPackage{bidi2in1}
1939 \pagestyle{plain}
1940 \newcount\evenpage
1941 \newcount\oddpge
1942 \twocolumn
1943 \def\@oddfont{\evenpage=\thepage%
1944 \multiply\evenpage by 2%
1945 \oddpge=\the\evenpage%
1946 \advance\oddpge by -1%
1947 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1948 \def\@evenfont{\evenpage=\thepage%
1949 \multiply\evenpage by 2%
1950 \oddpge=\the\evenpage%
1951 \advance\oddpge by -1%
1952 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
1953 \textwidth 9.49in
1954 \textheight 6.7in

```



```

1955 \columnsep 0.9in
1956 \columnseprule 0.125pt
1957 \headheight 0cm
1958 \topmargin 0in
1959 \marginparwidth 0in
1960 \marginparsep 0in
1961 \hoffset 0.05in % Corrected
1962 \voffset -0.5in %top margin space is 1.0in by default
1963 \oddsidemargin 0in
1964 \evensidemargin 0in
1965 \headsep 0cm
1966 \topskip 0cm
1967 \parskip 0.15in %
1968 \headsep 0pt
1969 \special{papersize=11.69in,8.26in}
1970 \renewcommand\maketitle{\par
1971 \begingroup
1972 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1973 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1974 \long\def\@makefntext##1{\parindent 1em\noindent
1975 \hb@xt@1.8em{%
1976 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1977 \@maketitle
1978 \@thanks
1979 \endgroup
1980 \setcounter{footnote}{0}%
1981 \global\let\thanks\relax
1982 \global\let\maketitle\relax
1983 \global\let\@maketitle\relax
1984 \global\let\@thanks\@empty
1985 \global\let\@author\@empty
1986 \global\let\@date\@empty
1987 \global\let\@title\@empty
1988 \global\let\title\relax
1989 \global\let\author\relax
1990 \global\let\date\relax
1991 \global\let\and\relax
1992 }

```

17 File `bidicode.sty`

```

1993 \NeedsTeXFormat{LaTeX2e}
1994 \ProvidesPackage{bidicode}
1995 \RequirePackage{xcolor}
1996 \RequirePackage{showexpl}
1997 \definecolor{hellgelb}{rgb}{1,1,0.85}
1998 \definecolor{colKeys}{rgb}{0,0,1}
1999 \definecolor{colIdentifier}{rgb}{0,0,0}
2000 \definecolor{colComments}{rgb}{1,0,0}
2001 \definecolor{colString}{rgb}{0,0.5,0}

```



```

2002 \lstset{
2003     language=[LaTeX]TEX,
2004     float=hbp,
2005     basicstyle=\ttfamily\small,
2006     identifierstyle=\color{colIdentifier},
2007     keywordstyle=\color{colKeys},
2008     stringstyle=\color{colString},
2009     commentstyle=\color{colComments},
2010     backgroundcolor=\color{hellgelb},
2011     columns=flexible,
2012     tabsize=4,
2013     extendedchars=true,
2014     showspace=false,
2015     showstringspaces=false,
2016     numbers=left,
2017     numbersep=0.9em,
2018     numberstyle=\tiny, %
2019     frame=single,
2020     captionpos=b,
2021     xleftmargin=1em,
2022     breaklines=true,
2023     breakautoindent=false,
2024     breakindent=0pt,
2025     escapeinside=**,
2026     pos=r,
2027     explpreset={%
2028     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
2029     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
2030 }
2031 \newcommand\HLON{%
2032 \gdef\lst@alloverstyle##1{%
2033 \fboxrule=0pt
2034 \fboxsep=0pt
2035 \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
2036 }}
2037 \newcommand\HLOFF{%
2038 \xdef\lst@alloverstyle##1{##1}%
2039 }
2040 \newcommand\Larg [1]{\normalfont\itshape#1\/\}}
2041 \newcommand\Larga[1]{\$\angle$\Larg{#1}$\rangle$}
2042 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
2043 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
2044 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
2045 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
2046 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
2047
2048 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
2049 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`\{}}
2050 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`\}}
2051 \DeclareRobustCommand\lsb{\normalfont\ttfamily[}

```



```

2052 \DeclareRobustCommand\rsb{{\normalfont\ttfamily}}
2053 \DeclareRobustCommand\lrb{{\normalfont\ttfamily}}
2054 \DeclareRobustCommand\rrb{{\normalfont\ttfamily}}
2055
2056 \def\Lcs#1{\nxLcs{#1}}
2057 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
2058 \def\nxLcs#1{\texttt{\symbol{92}#1}}
2059
2060 \def\Coordx#1{$x_{#1}$}
2061 \def\Coordy#1{$y_{#1}$}
2062 \def\Coordz#1{$z_{#1}$}
2063 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2064 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2065 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2066 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
2067 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
2068 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2069 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
2070 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2071 \def\coordx#1{($x_{#1}$)}
2072 \def\coordy#1{($y_{#1}$)}
2073 \def\coordz#1{($z_{#1}$)}
2074 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
2075 \def\ciiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
2076
2077 \newsavebox{\boxdef}
2078 \newenvironment{BDef}
2079   {\begin{lrbox}\boxdef
2080     \def\arraystretch{1.0}
2081     \begin{tabular}{@{}l@{}l@{}l@{}}
2082   }
2083   {\end{tabular}\end{lrbox}}
2084
2085   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2086   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2087 }
2088
2089 \newenvironment{BDef*}
2090   {\begin{lrbox}\boxdef
2091     \def\arraystretch{1.0}
2092     \begin{tabular}{@{}l@{}l@{}l@{}}
2093   }
2094   {\end{tabular}\end{lrbox}}
2095   {\begin{BCmd*}\fbbox{\usebox\boxdef}\endBCmd*}}
2096   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2097 }
2098 \newenvironment{BCmd}{
2099   \@beginparpenalty-\@lowpenalty
2100   \topsep\BDefaboveskip
2101   \fbboxsep3pt

```



```

2102 \flushleft}
2103 {\@endparpenalty\@M
2104 \topsepadd\BDefbelowskip
2105 \endflushleft}
2106
2107 \newenvironment{BCmd*}{
2108 \@beginparpenalty\@M
2109 \topsep\BDefinlineskip
2110 \fboxsep3pt
2111 \flushleft}
2112 {\@endparpenalty5000
2113 \endflushleft}
2114
2115 \newskip\BDefaboveskip
2116 \newskip\BDefbelowskip
2117 \newskip\BDefinlineskip
2118 \setlength\BDefaboveskip{10pt plus 4pt}
2119 \setlength\BDefbelowskip{6pt}
2120 \setlength\BDefinlineskip{6pt}
2121
2122 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
2123 \def\OptArg{\@ifnextchar*\OptArgi{\OptArgii*}}
2124 \def\OptArgi*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
2125 \def\OptArgii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

18 File bidiftnxtra.sty

```

2126 \NeedsTeXFormat{LaTeX2e}
2127 \ProvidesPackage{bidiftnxtra}
2128 \newtoks\bidip@ftn
2129 \let\FN@sffootnote\footnote
2130 \let\FN@sffLTRfootnote\LTRfootnote
2131 \let\FN@sffRTLfootnote\RTLfootnote
2132 \def\footnote{\ifx\protect\@typeset@protect
2133 \expandafter\FN@sffootnote
2134 \else
2135 \expandafter\FN@sff@gobble@opt
2136 \fi
2137 }
2138 \def\LTRfootnote{\ifx\protect\@typeset@protect
2139 \expandafter\FN@sffLTRfootnote
2140 \else
2141 \expandafter\FN@sff@gobble@opt
2142 \fi
2143 }
2144 \def\RTLfootnote{\ifx\protect\@typeset@protect
2145 \expandafter\FN@sffRTLfootnote
2146 \else
2147 \expandafter\FN@sff@gobble@opt
2148 \fi

```




```

2149 }
2150 \edef\FN@sfgobble@opt{\noexpand\protect
2151   \expandafter\noexpand\csname FN@sfgobble@opt \endcsname}
2152 \expandafter\def\csname FN@sfgobble@opt \endcsname{%
2153   \@ifnextchar[%]
2154     \FN@sfgobble@twobrace
2155     \@gobble
2156 }
2157 \def\FN@sfgobble@twobrace[#1]#2{}
2158 \let\FN@sfgobble@footnotemark\footnotemark
2159 \def\footnotemark{\ifx\protect\@typeset@protect
2160   \expandafter\FN@sfgobble@footnotemark
2161   \else
2162     \expandafter\FN@sfgobble@optonly
2163   \fi
2164 }
2165 \edef\FN@sfgobble@optonly{\noexpand\protect
2166   \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
2167 \expandafter\def\csname FN@sfgobble@optonly \endcsname{%
2168   \@ifnextchar[%]
2169     \FN@sfgobble@brace
2170     {}%
2171 }
2172 \def\FN@sfgobble@brace[#1]{}
2173 \def\@tabular{%
2174   \leavevmode \hbox \bgroup
2175   \let\@footnotetext\@bidi@p@ftntext
2176   \let\@LTRfootnotetext\@bidi@p@LTRftntext
2177   \let\@RTLfootnotetext\@bidi@p@RTLftntext
2178   \let\@xfootnotenext\@bidi@p@xftntext
2179   \let\@xfootnote\@bidi@p@xfootnote
2180   \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2181   \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2182   \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2183   \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2184   \if@RTLtab\beginR \fi
2185   $\let\@acol\@tabacol
2186   \let\@classz\@tabclassz
2187   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
2188 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
2189   \egroup $\if@RTLtab\endR\fi\egroup
2190   \ifx\@captive\@undefined
2191     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
2192 \long\def\@bidi@p@ftntext#1{%
2193   \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
2194   \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2195 \long\def\@bidi@p@LTRftntext#1{%
2196   \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
2197   \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2198 \long\def\@bidi@p@RTLftntext#1{%

```



```

2199 \edef\@tempyii{\the\bidip@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}%
2200 \global\bidip@ftn\expandafter{\@tempyii{#1}}}%
2201
2202
2203 \long\def\bidip@xftntext[#1]#2{%
2204 \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}}
2205
2206 \long\def\bidip@xLTRftntext[#1]#2{%
2207 \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
2208
2209 \long\def\bidip@xRTLftntext[#1]#2{%
2210 \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
2211
2212
2213 \def\bidip@xfootnote[#1]{%
2214 \begingroup
2215 \csname c@\mpfn\endcsname #1\relax
2216 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2217 \endgroup
2218 \@footnotemark\bidip@xftntext[#1]}
2219
2220
2221 \def\bidip@xLTRfootnote[#1]{%
2222 \begingroup
2223 \csname c@\mpfn\endcsname #1\relax
2224 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2225 \endgroup
2226 \@footnotemark\bidip@xLTRftntext[#1]}
2227
2228
2229 \def\bidip@xRTLfootnote[#1]{%
2230 \begingroup
2231 \csname c@\mpfn\endcsname #1\relax
2232 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2233 \endgroup
2234 \@footnotemark\bidip@xRTLftntext[#1]}
2235
2236 \def\@xfloat #1[#2]{%
2237 \nodocument
2238 \def \@capttype {#1}%
2239 \def \@fps {#2}%
2240 \@onelevel@sanitize \@fps
2241 \def \reserved@b {!}%
2242 \ifx \reserved@b \@fps
2243 \@fpsadddefault
2244 \else
2245 \ifx \@fps \@empty
2246 \@fpsadddefault
2247 \fi
2248 \fi

```



```

2249 \ifhmode
2250 \@bsphack
2251 \@floatpenalty -\@Mii
2252 \else
2253 \@floatpenalty-\@Miii
2254 \fi
2255 \ifinner
2256 \@parmoderr\@floatpenalty\z@
2257 \else
2258 \@next\@currbox\@freelist
2259 {%
2260 \@tempcnta \sixt@@n
2261 \expandafter \@tfor \expandafter \reserved@a
2262 \expandafter :\expandafter =\@fps
2263 \do
2264 {%
2265 \if \reserved@a h%
2266 \ifodd \@tempcnta
2267 \else
2268 \advance \@tempcnta \@ne
2269 \fi
2270 \fi
2271 \if \reserved@a t%
2272 \@setfpsbit \tw@
2273 \fi
2274 \if \reserved@a b%
2275 \@setfpsbit 4%
2276 \fi
2277 \if \reserved@a p%
2278 \@setfpsbit 8%
2279 \fi
2280 \if \reserved@a !%
2281 \ifnum \@tempcnta>15
2282 \advance\@tempcnta -\sixt@@n\relax
2283 \fi
2284 \fi
2285 }%
2286 \@tempcntb \csname ftype@\@capytype \endcsname
2287 \multiply \@tempcntb \@xxxii
2288 \advance \@tempcnta \@tempcntb
2289 \global \count\@currbox \@tempcnta
2290 }%
2291 \@fltovf
2292 \fi
2293 \global \setbox\@currbox
2294 \color@vbox
2295 \normalcolor
2296 \vbox \bgroup
2297 \let\@footnotetext\@bidi@p@ftntext
2298 \let\@LTRfootnotetext\@bidi@p@LTRftntext

```



```

2299 \let\@RTLfootnotetext\@RTLftntext
2300 \let\@xfootnotenext\@xftntext
2301 \let\@xfootnote\@xfootnote
2302 \let\@xLTRfootnotenext\@xLTRftntext
2303 \let\@xLTRfootnote\@xLTRfootnote
2304 \let\@xRTLfootnotenext\@xRTLftntext
2305 \let\@xRTLfootnote\@xRTLfootnote
2306 \hsize\columnwidth
2307 \@parboxrestore
2308 \@floatboxreset
2309 }
2310 \def \@endfloatbox{%
2311 \par\vskip\z@skip %% \par\vskip\z@ added 15 Dec 87
2312 \@minipagefalse
2313 \outer@nobreak
2314 \egroup %% end of vbox
2315 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2316 \color@endbox
2317 }

```

19 File bidimoderncv.cls

```

2318 \NeedsTeXFormat{LaTeX2e}
2319 \ProvidesClass{bidimoderncv}
2320 \newif\if@DEBUG\@DEBUGfalse
2321 \DeclareOption{a4paper}{
2322 \setlength\paperheight{297mm}
2323 \setlength\paperwidth{210mm}}
2324 \DeclareOption{a5paper}{
2325 \setlength\paperheight{210mm}
2326 \setlength\paperwidth{148mm}}
2327 \DeclareOption{b5paper}{
2328 \setlength\paperheight{250mm}
2329 \setlength\paperwidth{176mm}}
2330 \DeclareOption{letterpaper}{
2331 \setlength\paperheight{11in}
2332 \setlength\paperwidth{8.5in}}
2333 \DeclareOption{legalpaper}{
2334 \setlength\paperheight{14in}
2335 \setlength\paperwidth{8.5in}}
2336 \DeclareOption{executivepaper}{
2337 \setlength\paperheight{10.5in}
2338 \setlength\paperwidth{7.25in}}
2339 \DeclareOption{landscape}{
2340 \setlength\@tempdima{\paperheight}
2341 \setlength\paperheight{\paperwidth}
2342 \setlength\paperwidth{\@tempdima}}
2343 \newcommand\@ptsize{}
2344 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2345 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}

```



```

2346 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2347 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2348 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2349 \newif\if@colour\@colourtrue
2350 \DeclareOption{nocolour}{\@colourfalse}
2351 \ExecuteOptions{a4paper,11pt,colour,final}
2352 \ProcessOptions\relax
2353 \input{size1\@ptsize.clo}
2354 \RequirePackage{color}
2355 \RequirePackage{graphicx}
2356 \RequirePackage{ifthen}
2357 \RequirePackage{marvosym}
2358 \addtolength{\oddsidemargin}{-54pt}
2359 \addtolength{\textwidth}{109pt}
2360 \addtolength{\topmargin}{-70pt}
2361 \addtolength{\textheight}{122pt}
2362 \addtolength{\marginparsep}{-5pt}
2363 \addtolength{\marginparwidth}{-10pt}
2364 \RequirePackage{url}
2365 \RequirePackage{hyperref}
2366 \hypersetup{%
2367   breaklinks,
2368   baseurl      = http://,%
2369   pdfborder    = 0 0 0,%
2370   pdfpagemode  = UseNone,%
2371   pdfstartpage = 1}
2372 \AtEndOfClass{%
2373   \AtBeginDocument{%
2374     \hypersetup{%
2375       pdfauthor    = \@firstname-\@familyname,%
2376       pdftitle     = \@title,%
2377       pdfsubject   = \@firstname-\@familyname,%
2378       pdfkeywords  = \@resumename-\@firstname-\@familyname}}}
2379 \urlstyle{tt}
2380 \RequirePackage{fancyhdr}
2381 \fancypagestyle{plain}{%
2382   \renewcommand{\headrulewidth}{0pt}
2383   \renewcommand{\footrulewidth}{0pt}
2384   \fancyhf{}}
2385 \pagestyle{plain}
2386 \setlength\lineskip{1\p@}
2387 \setlength\normallineskip{1\p@}
2388 \renewcommand\baselinestretch{}
2389 \setlength{\parindent}{0pt}
2390 \setlength{\parskip}{0pt}
2391 \setlength\columnsep{10\p@}
2392 \setlength\columnseprule{0\p@}
2393 \pagestyle{empty}
2394 \pagenumbering{arabic}
2395 \raggedbottom

```



```

2396 \onecolumn
2397 \providecommand*\listitemsymbol{\textbullet}
2398 \providecommand*\addresssymbol{}
2399 \providecommand*\mobilesymbol{\Mobilefone}
2400 \providecommand*\phonesymbol{\Telefon}
2401 \providecommand*\faxsymbol{\FAX}
2402 \providecommand*\emailsymbol{\Letter}
2403 \definecolor{firstnamecolour}{rgb}{0,0,0}
2404 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2405 \def\familynamcolour#1{\gdef\@familynamcolour{\addfontfeature{Color=#1}}}
2406 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2407 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2408 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2409 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2410 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2411 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2412 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2413 \providecommand*\{firstnamefont}\{}
2414 \providecommand*\{familynamefont}\{}
2415 \providecommand*\{titlefont}\{}
2416 \providecommand*\{addressfont}\{}
2417 \providecommand*\{quote font}\{}
2418 \providecommand*\{sectionfont}\{}
2419 \providecommand*\{subsectionfont}\{}
2420 \providecommand*\{hintfont}\{small}
2421 \providecommand*\{firstnamestyle}[1]{\{firstnamefont\@firstnamecolour#1}}
2422 \providecommand*\{familynamestyle}[1]{\{familynamefont\@familynamcolour#1}}
2423 \providecommand*\{titlestyle}[1]{\{titlefont\@titlecolour#1}}
2424 \providecommand*\{addresstyle}[1]{\{addressfont\@addresscolour#1}}
2425 \providecommand*\{quotestyle}[1]{\{quote font\@quote colour#1}}
2426 \providecommand*\{sectionstyle}[1]{\{sectionfont\@sectiontitlecolour#1}}
2427 \providecommand*\{subsectionstyle}[1]{\{subsectionfont\@subsectioncolour#1}}
2428 \providecommand*\{hintstyle}[1]{\{hintfont\@hintcolour#1}}
2429 \newcommand*\{cvtheme}[2][{}{
2430   \def\@cvtheme{#2}
2431   \def\@cvthemeoptions{#1}}
2432 \cvtheme{bidi-casual}
2433 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2434 \newcommand*\{resumename}[1]{\def\@resumename{#1}}
2435 \newcommand*\{firstname}[1]{\def\@firstname{#1}}
2436 \newcommand*\{familyname}[1]{\def\@familyname{#1}}
2437 \renewcommand*\{title}[1]{\def\@title{#1}}
2438 \newcommand*\{address}[1]{\def\@address{#1}}
2439 \newcommand*\{mobile}[1]{\def\@mobile{#1}}
2440 \newcommand*\{phone}[1]{\def\@phone{#1}}
2441 \renewcommand*\{fax}[1]{\def\@fax{#1}}
2442 \newcommand*\{email}[1]{\def\@email{#1}}
2443 \newcommand*\{extrainfo}[1]{\def\@extrainfo{#1}}
2444 \def\@photowidth{0pt}
2445 \newcommand*\{photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}

```



```

2446 \newcommand*{\quote}[1]{\def\@quote{#1}}
2447 \newlength{\quotewidth}
2448 \newlength{\hintscolumnwidth}
2449 \newlength{\separatorcolumnwidth}
2450 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2451 \newlength{\maincolumnwidth}
2452 \newlength{\doubleitemmaincolumnwidth}
2453 \newlength{\listitemsymbolwidth}
2454 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
2455 \newlength{\listitemmaincolumnwidth}
2456 \newlength{\listdoubleitemmaincolumnwidth}
2457 \newcommand*{\recomputethemelengths}{%
2458 \newcommand*{\recomputelengths}{%
2459 \setlength{\quotewidth}{0.65\textwidth}%
2460 \setlength{\maincolumnwidth}{\textwidth}%
2461 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2462 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2463 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2464 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2465 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2466 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2467 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2468 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2469 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2470 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2471 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2472 \renewcommand{\headwidth}{\textwidth}%
2473 \recomputethemelengths}
2474 \setlength{\hintscolumnwidth}{0.15\textwidth}
2475 \recomputelengths
2476 \title{}
2477 \renewcommand*{\maketitle}{}
2478 \newcommand*{\section}[1]{%
2479 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2480 \phantomsection}%
2481 \addcontentsline{toc}{part}{#1}%
2482 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}\section{#1}}}%
2483 \hspace{\separatorcolumnwidth}%
2484 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\[1ex]}
2485 \newcommand*{\subsection}[1]{%
2486 \cvline[0.45em]{\subsectionstyle{#1}}}%
2487 \newcommand*{\cvline}[3][.25em]{%
2488 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}%
2489 \bidi@raggedleft\hintfont{#2} &#3}%
2490 \end{tabular}}\[\[1]}
2491 \newcommand*{\cvdoubleitem}[4]{%
2492 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2493 \hfill%
2494 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\separatorcolumnwidth}%
2495 \newcommand*{\cvlistitem}[2]{\listitemsymbol{#1}}}%

```



```

2496 \cvline[Opt]{\#1~\begin{minipage}[t]{\listitemmaincolumnwidth}\#2\end{minipage}}
2497 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{\%
2498 \cvline[Opt]{\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}\#2\end{minipage}}%
2499 \hfill%
2500 \ifthenelse{\equal{\#3}{}}%
2501 {}%
2502 {\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}\#3\end{minipage}}}}
2503 \newcommand*{\cventry}[6]{\%
2504 \cvline{\#1}{\%
2505 {\bfseries\#2}%
2506 \ifx\#3\else{, {\slshape\#3}}\fi%
2507 \ifx\#4\else{, \#4}\fi%
2508 \ifx\#5\else{, \#5}\fi%
2509 .%
2510 \ifx\#6\else{\newline}\begin{minipage}[t]{\linewidth}\small\#6\end{minipage}}\fi
2511 }}%
2512 \newcommand*{\cvlanguage}[3]{\%
2513 \cvline{\#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{\#2}\end{minipage}\hfill\begin{tr
2514 \newcommand*{\cvcomputer}[4]{\%
2515 \cdoubleitem{\#1}{\small\#2}{\#3}{\small\#4}}
2516 \newcommand*{\link}[2][\%
2517 \ifthenelse{\equal{\#1}{}}%
2518 {\href{\#2}{\#2}}%
2519 {\href{\#2}{\#1}}%
2520 \newcommand*{\httplink}[2][\%
2521 \ifthenelse{\equal{\#1}{}}%
2522 {\href{http://\#2}{\#2}}%
2523 {\href{http://\#2}{\#1}}%
2524 \newcommand*{\emailink}[2][\%
2525 \ifthenelse{\equal{\#1}{}}%
2526 {\href{mailto:\#2}{\#2}}%
2527 {\href{mailto:\#2}{\#1}}%
2528 \newif\if@displaypagenumbers\@displaypagenumberstrue
2529 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2530 \AtBeginDocument{\%
2531 \if@displaypagenumbers%
2532 \ifundefined{r@lastpage}{\%
2533 \ifthenelse{\pageref{lastpage} > 1}{\%
2534 \fancypagestyle{plain}{\%
2535 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\page
2536 \pagestyle{plain}}}{}}%
2537 \AtEndDocument{\label{lastpage}}%
2538 \fi}
2539 \newlength{\bibindent}
2540 \setlength{\bibindent}{1.5em}
2541 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2542 \newenvironment{thebibliography}[1]{\%
2543 {\%
2544 \section{\refname}%
2545 \small%

```




```

2546 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2547 \bidi@thebibliography@font@hook%
2548 \begin{list}{\bibliographyitemlabel}%
2549 {%
2550 \setlength{\topsep}{0pt}%
2551 \setlength{\labelwidth}{\hintscolumnwidth}%
2552 \setlength{\labelsep}{\separatorcolumnwidth}%
2553 \leftmargin\labelwidth%
2554 \advance\leftmargin\labelsep%
2555 \@openbib@code%
2556 \usecounter{enumiv}%
2557 \let\p@enumiv\@empty%
2558 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2559 \sloppy\clubpenalty4000\widowpenalty4000%
2560 }%
2561 {%
2562 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2563 \end{list}%
2564 }
2565 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2566 \let\@openbib@code\@empty

```

20 File bidi-perpage.sty

```

2567 \NeedsTeXFormat{LaTeX2e}
2568 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
2569 \newcount\bidi@page@count
2570 \bidi@page@count\@ne
2571 \newcommand*\ResetCounterPerPage[2][\z@]{%
2572 \if@bidi@csundef\bidi@stepcounterhook@#2}{%
2573 \expandafter\gdef\csname bidi@stepcounterhook@#2\endcsname{}%
2574 }{}%
2575 \if@bidi@csundef\if@bidi@reset@#2@rerun}{%
2576 \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
2577 }{}%
2578 \if@bidi@csundef\bidi@#2@count}{%
2579 \expandafter\newcount\csname bidi@#2@count\endcsname
2580 }{}%
2581 \csname bidi@#2@count\endcsname\z@
2582 \if@bidi@csundef\bidi@previous@page@#2@count}{%
2583 \expandafter\newcount\csname
2584 bidi@previous@page@#2@count\endcsname
2585 }{}%
2586 \csname bidi@previous@page@#2@count\endcsname\z@
2587 \if@bidi@csundef\bidi@reset@#2@perpage}{%
2588 \bidi@AfterEndDocumentCheckLabelsRerun%
2589 \csname if@bidi@reset@#2@rerun\endcsname
2590 \PackageWarningNoLine{bidi-perpage}{%
2591 Counter `#2' may not have been reset per page.
2592 Rerun to reset counter `#2' per page%

```



```

2593     }%
2594     \fi
2595   }%
2596 }{}%
2597 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
2598   \global\advance\csname bidi@#2@count\endcsname\@ne
2599   \if@filesw
2600     \edef\@tempa{%
2601       \write\@auxout{%
2602         \string\bidi@counter@page{#2}%
2603         {\number\csname bidi@#2@count\endcsname}%
2604         {\noexpand\number\noexpand\bidi@page@count}%
2605       }%
2606     }%
2607     \@tempa
2608   \fi
2609 \begingroup\expandafter\expandafter\expandafter\endgroup
2610 \expandafter\ifx\csname bidi@#2@@\number\csname
2611 bidi@#2@count\endcsname\endcsname\relax
2612   \global\csname @bidi@reset@#2@reruntrue\endcsname
2613 \else
2614   \global\csname @bidi@reset@#2@rerunfalse\endcsname
2615   \expandafter\@tempcnta\csname bidi@#2@@\number
2616   \csname bidi@#2@count\endcsname\endcsname\relax
2617   \ifnum\@tempcnta=\csname
2618   bidi@previous@page@@#2@count\endcsname
2619   \else
2620     \global\csname
2621     bidi@previous@page@@#2@count\endcsname\@tempcnta
2622     \global\csname c@#2\endcsname#1\relax
2623   \fi
2624 \fi
2625 }%
2626 \expandafter\bidi@gappto\csname
2627 bidi@stepcounterhook@@#2\endcsname{%
2628   \csname bidi@reset@#2@perpage\endcsname
2629 }%
2630 }
2631 \def\bidi@counter@page#1#2#3{\bidi@namegdef\bidi@#1@@#2}{#3}}
2632 \bidi@AtEndOutputPage{%
2633   \global\advance\bidi@page@count\@ne
2634 }

```

21 File biditools.sty

```

2635 \NeedsTeXFormat{LaTeX2e}
2636 \ProvidesPackage{biditools}[2018/10/12 v1.7 Programming tools for bidi package]
2637 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2638   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2639   \ifx\@tempa\@tempb \global\let#2#1%

```



```

2640 \else
2641 \edef\@tempb{\meaning#2}%
2642 \ifx\@tempa\@tempb
2643 \else
2644 \@latex@error{Unable to properly define \string#2; primitive
2645 \noexpand#1no longer primitive}\@eha
2646 \fi
2647 \fi
2648 \endgroup}
2649 \newtoks\@bidi@envbody
2650 \newtoks\@bidi@emptytoks
2651 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2652 \def\bidi@collect@body#1{%
2653 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2654 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2655 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2656 \begingroup
2657 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@@body
2658 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2659 \bidi@process@envbody
2660 }
2661 \def\bidi@push@begins#1\begin#2{%
2662 \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2663 }
2664 \def\bidi@collect@@body#1\end#2{%
2665 \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2666 \ifx\@empty\begin@bidi@stack
2667 \endgroup
2668 \@checkend{#2}%
2669 \bidi@addto@envbody{#1}%
2670 \else
2671 \bidi@addto@envbody{#1\end{#2}}}%
2672 \fi
2673 \bidi@process@envbody % A little tricky! Note the grouping
2674 }
2675 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2676 \long\def\bidi@collect@long@body#1{%
2677 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2678 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2679 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2680 \begingroup
2681 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@@body
2682 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2683 \bidi@process@envbody
2684 }
2685 \long\def\bidi@push@long@begins#1\begin#2{%
2686 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2687 }
2688 \long\def\bidi@collect@long@@body#1\end#2{%
2689 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@st

```



```

2690 \ifx\@empty\begin@bidi@stack
2691 \endgroup
2692 \@checkend{#2}%
2693 \bidi@addto@long@envbody{#1}%
2694 \else
2695 \bidi@addto@long@envbody{#1\end{#2}}%
2696 \fi
2697 \bidi@process@envbody % A little tricky! Note the grouping
2698 }
2699 \long\def\bidi@new@ifnextchar#1#2#3{%
2700 \let\reserved@d= #1%
2701 \def\reserved@a{#2}\def\reserved@b{#3}%
2702 \futurelet\@let@token\bidi@new@ifnch
2703 }
2704 \def\bidi@new@ifnch{%
2705 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2706 \reserved@b
2707 }
2708 \def\bidi@matrix@check#1{%
2709 \expandafter\ifx\csname\@currenvir\endcsname#1%
2710 \else\bidi@matrix@error#1%
2711 \expandafter\@gobble
2712 \fi
2713 }
2714 \def\bidi@matrix@error#1{%
2715 \PackageError{biditools}{%
2716 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2717 }{%
2718 '\string#1{...}' is old bidi package syntax whose use is
2719 ill-advised in the old versions of bidi package.%
2720 }%
2721 }
2722 \def\@tagsextension{clo}
2723 \def\@definitionfileextension{def}
2724 \def\@texfileextension{tex}
2725 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2726 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2727 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2728 \def\eqnewif#1#2{%
2729 \count@\escapechar \escapechar\m@ne
2730 \let#1\iffalse
2731 \let#2\iffalse
2732 \eq@if#1#2\iftrue
2733 \eq@if#1#2\iffalse
2734 \escapechar\count@}
2735 \def\eq@if#1#2#3{%
2736 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2737 \expandafter\@gobbletwo\string#3\endcsname
2738 {\let#1#3%
2739 \let#2#3}%

```



```

2740 \expandafter\def\csname\expandafter@gobbletwo\string#2%
2741 \expandafter@gobbletwo\string#3\endcsname
2742 {\let#2#3%
2743 \let#1#3}}
2744 \newcommand*\SetBoolean}[2]{%
2745 \lowercase{\def\@tempa{#2}}%
2746 \@ifundefined{\tempwa\@tempa}%
2747 {\PackageError{biditools}%
2748 {You can only set a boolean to `true' or `false'}\@ehc}%
2749 {\@ifundefined{#1\@tempa}%
2750 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2751 {\csname#1\@tempa\endcsname}}}
2752 \newcommand*\GlobalSetBoolean}[2]{%
2753 \lowercase{\def\@tempa{#2}}%
2754 \@ifundefined{\tempwa\@tempa}%
2755 {\PackageError{biditools}%
2756 {You can only set a boolean to `true' or `false'}\@ehc}%
2757 {\@ifundefined{#1\@tempa}%
2758 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2759 {\global\csname#1\@tempa\endcsname}}}
2760 \newcommand*\SetatBoolean}[2]{%
2761 \lowercase{\def\@tempa{#2}}%
2762 \@ifundefined{\tempwa\@tempa}%
2763 {\PackageError{biditools}%
2764 {You can only set a boolean to `true' or `false'}\@ehc}%
2765 {\@ifundefined{@#1\@tempa}%
2766 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2767 {\csname @#1\@tempa\endcsname}}}
2768 \newcommand*\GlobalSetatBoolean}[2]{%
2769 \lowercase{\def\@tempa{#2}}%
2770 \@ifundefined{\tempwa\@tempa}%
2771 {\PackageError{biditools}%
2772 {You can only set a boolean to `true' or `false'}\@ehc}%
2773 {\@ifundefined{@#1\@tempa}%
2774 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2775 {\global\csname @#1\@tempa\endcsname}}}
2776 \def\@bidi@removefromreset#1#2{%
2777 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2778 \def\@elt##1{%
2779 \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2780 \else
2781 \noexpand\@elt{##1}%
2782 \fi}%
2783 \expandafter\xdef\csname cl@#2\endcsname{%
2784 \csname cl@#2\endcsname}}}
2785 \newcommand*\ifRtoL{%
2786 \ifRTL
2787 \expandafter\@firstoftwo
2788 \else
2789 \expandafter\@secondoftwo

```



```

2790 \fi}
2791 \newcommand*{\ifLtoR}{%
2792   \if@RTL
2793     \expandafter\@secondoftwo
2794   \else
2795     \expandafter\@firstoftwo
2796   \fi}
2797 \newcommand*{\ifRtoLtable}{%
2798   \if@RTLtab
2799     \expandafter\@firstoftwo
2800   \else
2801     \expandafter\@secondoftwo
2802   \fi}
2803 \newcommand*{\ifLtoRtable}{%
2804   \if@RTLtab
2805     \expandafter\@secondoftwo
2806   \else
2807     \expandafter\@firstoftwo
2808   \fi}
2809 \newcommand*{\ifRtoLhboxconstruct}{%
2810   \if@hboxRconstruct
2811     \expandafter\@firstoftwo
2812   \else
2813     \expandafter\@secondoftwo
2814   \fi}
2815 \newcommand*{\ifLtoRhboxconstruct}{%
2816   \if@hboxRconstruct
2817     \expandafter\@secondoftwo
2818   \else
2819     \expandafter\@firstoftwo
2820   \fi}
2821 \newcommand*{\iflatin}{%
2822   \if@nonlatin
2823     \expandafter\@secondoftwo
2824   \else
2825     \expandafter\@firstoftwo
2826   \fi}
2827 \newcommand*{\ifnonlatin}{%
2828   \if@nonlatin
2829     \expandafter\@firstoftwo
2830   \else
2831     \expandafter\@secondoftwo
2832   \fi}
2833
2834 \newcommand*{\bidi@convert@dimen@t@unit}[2]{%
2835   \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
2836
2837 \newcommand*{\bidi@convert@dimen@t@pt}[1]{%
2838   \dimexpr #1*65536/\dimexpr 1pt\relax}
2839

```



```

2840 \newcommand*{\if@bidi@csdef}[1]{%
2841   \ifcsname#1\endcsname
2842   \expandafter\@firstoftwo
2843   \else
2844   \expandafter\@secondoftwo
2845   \fi}
2846 \newcommand*{\if@bidi@csundef}[1]{%
2847   \ifcsname#1\endcsname
2848   \expandafter\ifx\csname#1\endcsname\relax
2849   \expandafter\expandafter
2850   \expandafter\@firstoftwo
2851   \else
2852   \expandafter\expandafter
2853   \expandafter\@secondoftwo
2854   \fi
2855   \else
2856   \expandafter\@firstoftwo
2857   \fi}
2858 \newcommand{\if@bidi@def}[1]{%
2859   \ifdefined#1%
2860   \expandafter\@firstoftwo
2861   \else
2862   \expandafter\@secondoftwo
2863   \fi}
2864 \newcommand{\if@bidi@undef}[1]{%
2865   \ifdefined#1%
2866   \ifx#1\relax
2867   \expandafter\expandafter
2868   \expandafter\@firstoftwo
2869   \else
2870   \expandafter\expandafter
2871   \expandafter\@secondoftwo
2872   \fi
2873   \else
2874   \expandafter\@firstoftwo
2875   \fi}
2876 \newcommand{\if@bidi@blank}[1]{% from url.sty
2877   \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2878 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2879 \newcommand{\bidi@notblank}[1]{%
2880   \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2881 \newcommand{\if@bidi@defmacro}{%
2882 \long\edef\if@bidi@defmacro#1{%
2883   \noexpand\expandafter\noexpand\bidi@ifdefmacro
2884   \noexpand\meaning#1\detokenize{macro}:&}
2885 \edef\bidi@ifdefmacro{%
2886   \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2887 \bidi@ifdefmacro{\bidi@notblank{#2}}
2888 \newcommand*{\if@bidi@csmacro}[1]{%
2889   \if@bidi@csdef{#1}

```



```

2890     {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2891     {\@secondoftwo}}
2892 \newcommand{\if@bidi@defprimitive}[1]{%
2893   \ifprimitive#1%
2894     \expandafter\@firstoftwo
2895   \else
2896     \expandafter\@secondoftwo
2897   \fi}
2898 \newcommand{\if@bidi@csprimitive}[1]{%
2899   \begingroup\expandafter\expandafter\expandafter\endgroup%
2900   \expandafter\ifprimitive\csname#1\endcsname%
2901   \expandafter\@firstoftwo
2902   \else
2903     \expandafter\@secondoftwo
2904   \fi}
2905 \newcommand*{\@bidi@csdefcs}[2]{%
2906   \expandafter\@ifdefinable \csname#1\endcsname{%
2907     \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}}%
2908 \newcommand*{\@bidi@csletcs}[2]{%
2909   \expandafter\@ifdefinable \csname#1\endcsname{%
2910     \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}}%
2911 \newcommand*{\@bidi@cslet}[2]{%
2912   \expandafter\@ifdefinable \csname#1\endcsname{%
2913     \expandafter\let\csname#1\endcsname#2}}}%
2914 \newcommand{\@bidi@namelongdef}[1]{%
2915   \long\expandafter\def\csname #1\endcsname}
2916 \def\@bidi@ensure@newcommand{\@star@or@long\@bidi@ensure@new@command}
2917 \def\@bidi@ensure@new@command#1{%
2918   \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2919   \expandafter\if@bidi@csundef\@gtempa
2920     {\new@command#1}{\relax%
2921     \let\@ifdefinable\@rc@ifdefinable%
2922     \new@command#1}}}%
2923 \def\@bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}%
2924
2925 \protected\def\@bidi@error{\PackageError{bidi}}
2926 \protected\def\@bidi@warning{\PackageWarning{bidi}}
2927 \protected\def\@bidi@info{\PackageInfo{bidi}}
2928
2929
2930 \newcommand*{\setbaselineskip}[1]{%
2931   \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
2932   \selectfont
2933 }
2934
2935
2936 \newcommand*{\@bidi@newrobustcmd}{}
2937 \protected\def\@bidi@newrobustcmd{\@star@or@long\@bidi@new@command}
2938
2939 \def\@bidi@new@command#1{\@testopt{\@bidi@newcommand#1}0}

```




```

2940
2941 \def\bidinewcommand#1[#2]{%
2942   \@ifnextchar[%
2943     {\bidixargdef#1[#2]}
2944     {\ifx\l@ngrel@x\relax
2945       \let\l@ngrel@x\protected
2946       \else
2947         \protected\def\l@ngrel@x{\protected\long}%
2948       \fi
2949       \@argdef#1[#2]}}
2950
2951 \long\def\bidixargdef#1[#2][#3]#4{%
2952   \@ifdefinable#1{%
2953     \expandafter\protected
2954     \expandafter\def
2955     \expandafter#1%
2956     \expandafter{%
2957       \expandafter\@testopt
2958       \csname\string#1\endcsname{#3}}}%
2959   \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
2960
2961 \bidinewrobustcmd*{\bidirenewrobustcmd}{\@star@or@long\bidirenew@command}
2962
2963 \def\bidirenew@command#1{%
2964   \if@bidi@undef{#1}
2965     {\biderror{\string#1 undefined}\@ehc}
2966     {}%
2967   \let\@ifdefinable\@rc@ifdefinable
2968   \bidinew@command#1}
2969
2970
2971
2972 \bidinewrobustcmd*{\bidiproviderobustcmd}{\@star@or@long\bidiprovide@command}
2973
2974 \def\bidiprovide@command#1{%
2975   \if@bidi@undef{#1}
2976     {\def\reserved@a{\bidinew@command#1}}
2977     {\def\reserved@a{\bidirenew@command\reserved@a}}%
2978   \reserved@a}
2979
2980 \newcommand*{\bidicsuse}[1]{%
2981   \ifcsname#1\endcsname
2982     \csname#1\endcsname\expandafter\endcsname
2983   \fi}
2984
2985 \newcommand{\bidieexpandonce}[1]{%
2986   \unexpanded\expandafter{#1}}
2987
2988 \def\bidiprotected{%
2989   \let\@@protect\protect

```



```

2990 \let\protect\@unexpandable@protect
2991 \afterassignment\restore@protect}
2992
2993 \bidi@newrobustcmd{\bidi@appto}[2]{%
2994   \if@bidi@undef{#1}
2995     {\edef#1{\unexpanded{#2}}}
2996     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2997 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2998   \if@bidi@undef{#1}
2999     {\edef#1{#2}}
3000     {\edef#1{\bidi@expandonce#1#2}}}}
3001 \bidi@newrobustcmd{\bidi@gappto}[2]{%
3002   \if@bidi@undef{#1}
3003     {\xdef#1{\unexpanded{#2}}}
3004     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
3005 \bidi@newrobustcmd{\bidi@xappto}[2]{%
3006   \if@bidi@undef{#1}
3007     {\xdef#1{#2}}
3008     {\xdef#1{\bidi@expandonce#1#2}}}}
3009
3010 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
3011 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
3012
3013
3014
3015 \bidi@newrobustcmd{\bidi@preto}[2]{%
3016   \if@bidi@undef{#1}
3017     {\edef#1{\unexpanded{#2}}}
3018     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}}
3019 \bidi@newrobustcmd{\bidi@epreto}[2]{%
3020   \if@bidi@undef{#1}
3021     {\edef#1{#2}}
3022     {\edef#1{#2\bidi@expandonce#1}}}}
3023 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
3024   \if@bidi@undef{#1}
3025     {\xdef#1{\unexpanded{#2}}}
3026     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}}
3027 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
3028   \if@bidi@undef{#1}
3029     {\xdef#1{#2}}
3030     {\xdef#1{#2\bidi@expandonce#1}}}}
3031
3032 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
3033 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
3034
3035
3036
3037 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
3038 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
3039 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}

```



```

3040 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
3041 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
3042 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
3043
3044
3045
3046 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
3047 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
3048 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
3049 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
3050 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
3051 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
3052
3053
3054
3055 \bidi@newrobustcmd{\if@bidi@patchable}{%
3056   \bidi@dbg@trce\if@bidi@patchable
3057   \begingroup
3058   \@makeother\#%
3059   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
3060
3061 \long\def\bidi@ifpatchable#1#2{%
3062   \endgroup
3063   \bidi@dbg@init#1%
3064   \if@bidi@undef{#1}
3065     {\bidi@dbg@fail{def}\@secondoftwo}
3066     {\bidi@dbg@info{def}%
3067       \if@bidi@defmacro{#1}
3068         {\bidi@dbg@info{mac}%
3069           \bidi@ifscanable{#1}
3070           {\bidi@ifhashcheck{#2}
3071             {\bidi@dbg@info{tok}%
3072               \bidi@ifpattern#1{#2}
3073               {\bidi@dbg@info{pat}%
3074                 \bidi@dbg@info{pos}\@firstoftwo}
3075                 {\bidi@dbg@fail{pat}\@secondoftwo}}
3076               {\bidi@dbg@fail{hsh}\@secondoftwo}}
3077               {\bidi@dbg@fail{tok}\@secondoftwo}}
3078               {\bidi@dbg@fail{mac}\@secondoftwo}}}
3079
3080 \long\def\bidi@ifpatchable@i#1{%
3081   \endgroup
3082   \bidi@dbg@init#1%
3083   \if@bidi@undef{#1}
3084     {\bidi@dbg@fail{def}\@secondoftwo}
3085     {\bidi@dbg@info{def}%
3086       \if@bidi@defmacro{#1}
3087         {\bidi@dbg@info{mac}%
3088           \if@bidi@defparam{#1}
3089             {\bidi@dbg@info{prm}%

```



```

3090         \bidi@ifscanable{#1}
3091         {\bidi@dbg@info{tok}%
3092          \bidi@dbg@info{pos}\@firstoftwo}
3093          {\bidi@dbg@fail{tok}\@secondoftwo}}
3094     {\bidi@dbg@info{prl}%
3095      \if@bidi@defprotected{#1}
3096      {\bidi@dbg@info{pro}}
3097      }%
3098      \bidi@dbg@info{pos}\@firstoftwo}}
3099     {\bidi@dbg@fail{mac}\@secondoftwo}}
3100
3101 \bidi@newrobustcmd*{\bidi@patchcmd}{%
3102  \bidi@dbg@trce\bidi@patchcmd
3103  \begingroup
3104  \@makeother\#%
3105  \bidi@@patchcmd}
3106
3107 \newcommand{\bidi@@patchcmd}[4][#####1]{%
3108  \bidi@ifpatchable#2{#3}
3109  {\bidi@dbg@succ{ret}%
3110   \begingroup
3111   \edef\bidi@resrvda{%
3112    \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
3113     #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
3114    \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
3115     #####1\detokenize{#4}####2}%
3116    \edef\noexpand\bidi@resrvda{%
3117     \noexpand\bidi@resrvda\meaning#2&}}%
3118    \bidi@resrvda
3119    \bidi@patchcmd@scantoks\bidi@resrvda
3120    \let#2\bidi@resrvda
3121    \bidi@undef\bidi@resrvda
3122    \@firstoftwo}
3123  {\@secondoftwo}}
3124
3125 \def\bidi@patchcmd@scantoks#1{%
3126  \edef\bidi@resrvda{\endgroup
3127   \unexpanded{\makeatletter\scantokens}{#1}%
3128   \catcode\number`\@=\the\catcode`\@ \relax}%
3129  \bidi@resrvda}
3130
3131 \newcommand\bidi@isloaded[2][ ]{
3132  \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
3133   \expandafter\newif\csname if@bidi@#2loaded@\endcsname
3134   \fi
3135   \@ifpackageloaded{#2}
3136   {\csname @bidi@#2loaded@true\endcsname #1}
3137   {\csname @bidi@#2loaded@false\endcsname}}
3138
3139 \protected\def\bidi@ifscanable#1{%

```



```

3140 \begingroup
3141 \edef\bidi@resrvda{%
3142   \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3143     ####1\def\string\bidi@resrvda####2{####3}}}%
3144   \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
3145 \bidi@resrvda
3146 \makeatletter
3147 \scantokens\expandafter{\bidi@resrvda}%
3148 \expandafter\endgroup\ifx#1\bidi@resrvda
3149   \expandafter\@firstoftwo
3150 \else
3151   \expandafter\@secondoftwo
3152 \fi}
3153
3154
3155 \protected\long\def\bidi@ifhashcheck#1{%
3156   \begingroup
3157   \edef\bidi@resrvda{\detokenize{#1}}%
3158   \expandafter\endgroup
3159   \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
3160
3161 \edef\bidi@ifhashcheck@i#1&{%
3162   \noexpand\expandafter
3163   \noexpand\bidi@ifhashcheck@ii
3164   \noexpand\strip@prefix#1\string#\string#&}
3165
3166 \edef\bidi@ifhashcheck@ii{%
3167   \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
3168 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
3169
3170
3171 \protected\long\def\bidi@ifpattern#1#2{%
3172   \begingroup
3173   \edef\bidi@resrvda{%
3174     \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
3175       \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
3176     \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
3177       \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3178     \noexpand\bidi@resrvda}
3179   \bidi@resrvda\@secondoftwo\@firstoftwo}
3180
3181
3182 \newcommand{\if@bidi@defparam}{ }
3183 \long\edef\if@bidi@defparam#1{%
3184   \noexpand\expandafter\noexpand\bidi@ifdefparam
3185   \noexpand\meaning#1\detokenize{macro}:->&}
3186 \edef\bidi@ifdefparam{%
3187   \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
3188 \bidi@ifdefparam{\bidi@notblank{#2}}
3189

```



```

3190
3191 \newcommand{\if@bidi@defprotected}{%
3192 \long\edef\if@bidi@defprotected#1{%
3193   \noexpand\expandafter\noexpand\bidi@ifdefprotected
3194   \noexpand\meaning#1\string\protected&}
3195 \edef\bidi@ifdefprotected{%
3196   \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
3197 \bidi@ifdefprotected{\bidi@notblank{#2}}
3198
3199
3200 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
3201
3202 \let\bidi@dbg@trce\@gobble
3203 \let\bidi@dbg@init\@gobble
3204 \let\bidi@dbg@info\@gobble
3205 \let\bidi@dbg@succ\@gobble
3206 \let\bidi@dbg@fail\@gobble
3207
3208
3209
3210 \bidi@newrobustcmd*{\bidi@apptocmd}{%
3211   \bidi@dbg@trce\bidi@apptocmd
3212   \begingroup
3213   \@makeother\#%
3214   \bidi@hooktocmd\bidi@append}
3215
3216
3217
3218 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3219   \bidi@dbg@trce\bidi@pretocmd
3220   \begingroup
3221   \@makeother\#%
3222   \bidi@hooktocmd\bidi@prepend}
3223
3224 \long\def\bidi@hooktocmd#1#2#3{%
3225   \endgroup
3226   \bidi@dbg@init#2%
3227   \if@bidi@undef{#2}
3228     {\bidi@dbg@fail{def}\@secondoftwo}
3229     {\bidi@dbg@info{def}%
3230       \if@bidi@defmacro{#2}
3231         {\bidi@dbg@info{mac}%
3232           \if@bidi@defparam{#2}
3233             {\bidi@dbg@info{prm}%
3234               \bidi@ifscanable{#2}
3235                 {\bidi@ifhashcheck{#3}
3236                   {\bidi@dbg@info{tok}%
3237                     \bidi@dbg@succ{ret}%
3238                     \bidi@hooktocmd@i#1#2{#3}%
3239                     \@firstoftwo}

```



```

3240         {\bidi@dbg@fail{hsh}\@secondoftwo}}
3241         {\bidi@dbg@fail{tok}\@secondoftwo}}
3242     {\bidi@dbg@info{prl}%
3243     \if@bidi@defprotected{#2}
3244         {\bidi@dbg@info{pro}%
3245         \bidi@dbg@succ{red}%
3246         \protected}
3247         {\bidi@dbg@succ{red}}}%
3248     \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3249     \@firstoftwo}}
3250     {\bidi@dbg@fail{mac}\@secondoftwo}}
3251
3252 \long\def\bidi@hooktocmd@i#1#2#3{%
3253     \begingroup
3254     \edef\bidi@resrvda{%
3255         \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3256             ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}%
3257         \edef\noexpand\bidi@resrvda{%
3258             \noexpand\bidi@resrvda\meaning#2&}}%
3259     \bidi@resrvda
3260     \bidi@patchcmd@scantoks\bidi@resrvda
3261     \let#2\bidi@resrvda
3262     \bidi@undef\bidi@resrvda}
3263
3264 \long\def\bidi@append#1#2{#1#2}
3265 \long\def\bidi@prepend#1#2{#2#1}
3266
3267 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3268 \newcommand*{\bidi@endpreamblehook}{}
3269
3270 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipouthook}
3271 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
3272
3273 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
3274 \newcommand*{\bidi@beforeheaderhook}{}
3275
3276 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutputpagehook}
3277 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
3278
3279 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpagehook}
3280 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
3281
3282 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
3283 \newcommand*{\bidi@beforefooterhook}{}
3284
3285 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
3286 \newcommand*{\bidi@afterfooterhook}{}
3287
3288
3289 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouthook}

```



```

3290 \newcommand*{\bidi@afteroutputpageshipouthook}{}
3291
3292 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
3293 \newcommand*{\bidi@atendoutputpagehook}{}
3294
3295 \bidi@preto\document{%
3296   \endgroup
3297   \let\bidi@AtEndPreamble\@firstofone
3298   \bidi@endpreamblehook
3299   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3300   \bidi@undef\bidi@endpreamblehook
3301   \begingroup}
3302
3303 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3304 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3305
3306 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3307 \newcommand*{\bidi@afterendpreamblehook}{}
3308
3309 \bidi@appto\document{%
3310   \let\bidi@AfterEndPreamble\@firstofone
3311   \bidi@afterendpreamblehook
3312   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3313   \bidi@undef\bidi@afterendpreamblehook
3314   \ignorespaces}
3315
3316 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterenddocument}
3317 \newcommand*{\bidi@afterenddocumentchecklabelsrerunhook}{}
3318
3319 \bidi@patchcmd\enddocument
3320   {\fi\endgroup}
3321   {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
3322     \bidi@afterenddocumentchecklabelsrerunhook
3323     \fi\endgroup}
3324   {}
3325   {\PackageWarning{biditools}{Patching `string\enddocument' failed}}
3326
3327 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3328
3329 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
3330 \newcommand*{\bidi@afterlastshipouthook}{}
3331
3332 \bidi@patchcmd\enddocument
3333   {\clearpage}
3334   {\clearpage
3335     \let\bidi@AfterLastShipout\@firstofone
3336     \bidi@afterlastshipouthook}
3337   {}
3338   {\let\bidi@clearpage\clearpage
3339     \def\clearpage{%

```




```

3340 \bidi@clearpage
3341 \let\bidi@AfterLastShipout\@firstofone
3342 \bidi@afterlastshipouthook}}
3343
3344 \bidi@newrobustcmd*\bidi@AfterEndDocument}\bidi@gappto\bidi@afterenddocumenthook}
3345 \newcommand*\bidi@afterenddocumenthook}{
3346
3347 \bidi@patchcmd\enddocument
3348 {\deadcycles}
3349 {\let\bidi@AfterEndDocument\@firstofone
3350 \bidi@afterenddocumenthook
3351 \deadcycles}
3352 {}
3353 {\let\bidi@@end@@end
3354 \def@@end{%
3355 \let\bidi@AfterEndDocument\@firstofone
3356 \bidi@afterenddocumenthook
3357 \bidi@@end}}
3358
3359 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3360 \bidi@csgappto{\bidi@begin@#1@hook}}
3361
3362 \bidi@patchcmd\begin
3363 {\csname #1\endcsname}
3364 {\bidi@csuse{\bidi@begin@#1@hook}%
3365 \csname #1\endcsname}
3366 {}
3367 {\bidi@warning{%
3368 Patching '\string\begin' failed!\MessageBreak
3369 '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
3370
3371
3372
3373 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3374 \bidi@csgappto{\bidi@end@#1@hook}}
3375
3376 \bidi@patchcmd\end
3377 {\csname end#1\endcsname}
3378 {\bidi@csuse{\bidi@end@#1@hook}%
3379 \csname end#1\endcsname}
3380 {}
3381 {\bidi@warning{%
3382 Patching '\string\end' failed!\MessageBreak
3383 '\string\bidi@AtEndEnvironment' will not work\@gobble}}
3384
3385
3386
3387 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3388 \bidi@csgappto{\bidi@beforebegin@#1@hook}}
3389

```



```

3390 \bidi@pretocmd\begin
3391   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3392   {}
3393   {\bidi@warning{%
3394     Patching '\string\begin' failed!\MessageBreak
3395     '\string\bidi@BeforeBeginEnvironment' will not work@gobble}}
3396
3397
3398
3399 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3400   \bidi@csgappto{@bidi@afterend@#1@hook}}
3401
3402 \bidi@patchcmd\end
3403   {\if@ignore}
3404   {\bidi@csuse{@bidi@afterend@#1@hook}%
3405     \if@ignore}
3406   {}
3407   {\bidi@warning{%
3408     Patching '\string\end' failed!\MessageBreak
3409     '\string\bidi@AfterEndEnvironment' will not work@gobble}}
3410
3411 \def\bidi@namedef#1{\expandafter\def\csname #1\endcsname}
3412 \def\bidi@namegdef#1{\expandafter\gdef\csname #1\endcsname}
3413 \def\bidi@nameedef#1{\expandafter\edef\csname #1\endcsname}
3414 \def\bidi@namexdef#1{\expandafter\xdef\csname #1\endcsname}
3415
3416 % From David Carlisle:
3417 % The \@stpelt redefinition below belongs to Heiko Oberdiek
3418 % See also https://github.com/ho-tex/oberdiek/issues/26
3419
3420 \let\bidi@stepcounter\stepcounter
3421 \let\bidi@@stpelt\@stpelt
3422
3423 \def\@stpelt#1{%
3424   \ifcsname bidi@reset@#1@perpage\endcsname
3425     \begingroup
3426       \let\stepcounter\bidi@stepcounter
3427       \@bidi@@stpelt{#1}%
3428     \endgroup
3429     \expandafter\@gobbletwo
3430   \fi
3431   \@bidi@@stpelt{#1}%
3432 }
3433
3434 \bidi@pretocmd\stepcounter
3435   {%
3436     \if@bidi@csundef{bidi@stepcounterhook@@#1}{-}{%
3437       \csname bidi@stepcounterhook@@#1\endcsname
3438     }%
3439   }%

```



```

3440 {\PackageWarning{biditools}{Patching `string\stepcounter' failed}}
3441
3442 \chardef\bidi@backslash`\\
3443 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
3444
3445 % anonymous control sequences
3446 \newcount\bidi@tempcountb
3447 \newtoks\bidi@temptoksa
3448 \newtoks\bidi@temptoksb
3449
3450 % Catcode (re)storing
3451 %
3452 \def\bidi@storecatcode#1%
3453   {\escapechar\m@ne
3454    \bidi@csarg\edef\bidi@restorecatcode\string#1}%
3455    {\catcode`\string#1=
3456     \the\catcode\expandafter`\string#1}%
3457    \catcode\expandafter`\string#1=12\relax
3458    \escapechar`\\relax}
3459 \def\bidi@restorecatcode#1%
3460   {\escapechar\m@ne
3461    \csname bidi@restorecatcode\string#1\endcsname
3462    \escapechar`\\relax}
3463
3464 % Construct a control sequence inside \edef
3465 %
3466 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
3467
3468 % Construct a control sequence out of #2, and give it to #1
3469 %
3470 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
3471
3472 % Pick an escapecharacter
3473 % this presumes that its argument is a character.
3474 %
3475 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3476
3477 % Equality of strings.
3478 % the fast approach: does not work in expansion-only environment.
3479 %
3480 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
3481   \ifx\bidi@eqs@a\bidi@eqs@b}
3482
3483 % Test by expansion only
3484 %
3485 \def\bidi@EqualStringX#1#2{00\fi
3486   \csname if\bidi@EqualStringX#1&#2&\endcsname}
3487 \def\bidi@EqualStringX#1#2$#3#4${\ifx#1#3%
3488   \ifx#1&true\else\bidi@hop@ES\bidi@EqualStringX#2$#4$\fi
3489   \else false\fi}

```



```

3490 \def\bidihop@ES#1\fi#2\fi{\fi\fi#1}
3491
3492 % Lexicographic ordering
3493 % note the use of \def
3494 % also note the characters 0,127,255 that are used,
3495 % these are not supposed to appear in the strings
3496 %
3497 {\catcode0=12 \catcode255=12 \catcode127=12
3498 \gdef\bidistringbeforeNC#1#2{00\fi
3499 \bidicharsbefore#1^^@^^?#2^^ff^^?}
3500 \gdef\bidicharsbeforeNC#1#2^^?#3#4^^?{%
3501 \ifcat#1\relax\def\bidinext{\bidicharsbefore#2^^@^^?#3#4^^ff^^?}%
3502 \else\ifcat#3\relax\def\bidinext{\bidicharsbefore#1#2^^@^^?#4^^ff^^?}%
3503 \else\ifnum\lccode`#1<\lccode`#3
3504 \def\bidinext{\csname iftrue\endcsname}%
3505 \else\ifnum\lccode`#1>\lccode`#3
3506 \def\bidinext{\csname iffalse\endcsname}%
3507 \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
3508 \fi \fi \fi \fi
3509 \bidinext}
3510 \gdef\bidistringbefore#1#2{00\fi
3511 \bidicharsbefore#1^^@^^?#2^^ff^^?}
3512 \gdef\bidicharsbefore#1#2^^?#3#4^^?{%
3513 \ifnum`#1<`#3
3514 \def\bidinext{\csname iftrue\endcsname}%
3515 \else\ifnum`#1>`#3
3516 \def\bidinext{\csname iffalse\endcsname}%
3517 \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
3518 \fi\fi
3519 \bidinext}
3520 }
3521
3522 % Null argument test
3523 %
3524 \def\bidiempty{}
3525 \def\bidiiifempty#1{00\fi\expandafter\ifx\csname bidi@#1null\endcsname\bidii@null}
3526 \def\bidiiifemptyX#1{\expandafter\ifx\csname bidi@#1null\endcsname\bidii@null}
3527 %\def\bidiiifempty#1{\def\bidics@a{#1}\ifx\bidics@a\bidiiempty}
3528 \def\bidiiisemptylist#1{00\fi\def\bidics@a{#1}\ifx\cs@a\bidiiempty}
3529
3530 % Next character test
3531 %
3532 \def\bidinextchar#1#2#3{00\fi
3533 \let\bidinxt@ch#1\def\bidinxt@a{#2}\def\bidinxt@b{#3}%
3534 \futurelet\bidinxt@c@\bidiiifnxtc}
3535 \def\bidiiifnextchar#1#2#3{%
3536 \let\bidinxt@ch#1\def\bidinxt@a{#2}\def\bidinxt@b{#3}%
3537 \futurelet\bidinxt@c@\bidiiifnxtc}
3538 \def\@bidiiifnxtc{\ifx\bidinxt@ch\bidinxt@c \expandafter\bidinxt@a
3539 \else \expandafter\bidinxt@b \fi}

```



```

3540
3541 % Test for defined-ness of string as control sequence.
3542 % works inside \edef
3543 %
3544 \def\bid@undefinedcs#1{00\fi\bid@csarg\ifx{#1}\relax}
3545
3546 % Define uniquely defined dummy macros,
3547 % usually to serve as bumper blocks at the end of a list
3548 %
3549 \newcount\bid@dummies
3550 \def\DefNewDummy#1{
3551   \if\bid@undefinedcs{#1}\bid@csarg\edef{#1}{\bid@dum\the\bid@dummies}
3552   \advance\bid@dummies\@ne
3553   \else
3554     \bid@error{Attempt at second definition of `#1'}
3555   \fi}
3556
3557 % string case statement
3558 % use: \bid@switch \iftest{...} in:
3559 %   item1 action1
3560 %   ...
3561 %   itemn actionn
3562 %   default defaultaction [optional]
3563 %   \endbid@switch
3564 % inspired by Jonathan Fine: Some Basic Control Macros
3565 % Tugboat 12 #4
3566 %
3567 \let\@bid@fi\fi \let\endbid@switch\relax \DefNewDummy{\bid@default}
3568 \def\bid@switch@exit #1 \@bid@fi #2 \endbid@switch {\fi #1}
3569 \def\bid@switch #1#2#3{\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3570 #1{#2}\bid@switch@exit #3 \@bid@fi
3571 \bid@switch {#1}
3572 }
3573 % this version puts the test object in {}
3574 \def\bid@oswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3575 #1{#2}\bid@switch@exit #3 \@bid@fi
3576 \bid@switch #1 in:
3577 }
3578 % this version assumes that the test object is just one character
3579 \def\bid@cswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3580 #1#2\bid@switch@exit #3 \@bid@fi
3581 \bid@cswitch #1 in:
3582 }
3583 % this version assumes that the test object can have an optional space
3584 \def\bid@bswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3585 #1#2 \bid@switch@exit #3 \@bid@fi
3586 \bid@bswitch #1 in:
3587 }
3588 % this version can cope with significant spaces at the start of #3;
3589 % #2 is macro argument

```



```

3590 \def\bidimswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3591 #1{#2}\bidi@switch@exit #3 \@bidi@fi
3592 \bidi@mswitch #1 in:
3593 }
3594 % idem; #2 does not have to be enclosed in braces
3595 \def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3596 #1#2 \bidi@switch@exit #3 \@bidi@fi
3597 \bidi@fswitch #1 in:
3598 }
3599
3600 % Routines for taking the value of a string:
3601 % if the string is defined as control sequence
3602 % take the value of that, otherwise take the string itself
3603
3604 % String or value of control sequence
3605 %
3606 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
3607
3608 % String or control sequence
3609 %
3610 \def\bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
3611
3612 % String or \noexpand-ed control sequence;
3613 % for use in \edef
3614 %
3615 \newif\ifbidi@in@label
3616 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
3617 \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3618 \newtoks\bidi@are@these@correct
3619 \def\bidi@t@w@w#1{%
3620 \if\bidi@undefinedcs{#1}#1%
3621 \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1} \fi
3622 \else
3623 \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3624
3625 % List Manipulation .....
3626 % this assumes that #1 is a list of tokens, #2 is the name of a list
3627 %
3628 % Names of lists (and of items to pop into) are given as strings;
3629 % not as control sequences.
3630 %
3631 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
3632 % basic append/prepend macro
3633 \long\def\bidi@append@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3634 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@
3635 \long\def\bidi@prepend@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3636 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista
3637 \def\bidi@append@to@list{\bidi@csarg\bidi@append@to@cslist}
3638 % variations:
3639 \long\def\bidi@append@to@list#1#2{\bidi@append@to@list{#1}{#2}}

```



```

3640 \def\bidibidi@append@list@to@list#1#2{%
3641   \@bidibidi@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\endcsname}%
3642 \def\bidibidi@append@cslist@to@cslist#1#2{%
3643   \@bidibidi@append@to@cslist{#1}\expandafter{\the#2}}
3644 \def\bidibidi@append@toks@cs@to@list#1#2{\@bidibidi@append@to@list{#1}\expandafter{\the#2}}
3645
3646 \let\bidibidi@willbeunhskip\unhskip
3647
3648 % A few list macros for the user
3649 \def\NewList:#1 {\bidibidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
3650 \def\EmptyList:#1 {\global\csname#1\endcsname{}}
3651 \long\def\AppendToList:#1=#2 {\@bidibidi@append@to@list{#1}{#2}}
3652 \def\TheList:#1 {\let\bidibidi@oldwbuskip\bidibidi@willbeunhskip \let\bidibidi@willbeunhskip\@empty
3653   \if\bidibidi@undefinedcs{#1}\bidibidi@error{List <#1> undefined}
3654   \else\bidibidi@csarg\the{#1}\fi
3655   \let\bidibidi@willbeunhskip\bidibidi@oldwbuskip}
3656
3657 \def\bidibidi@del@tok@from@list#1#2{\begingroup
3658   \long\def\bidibidi@cs@liste##1#2##2\bidibidi@tok@SM
3659     {\bidibidi@toks@lista{##1}\bidibidi@toks@listb{##2}%
3660     \edef\bidibidi@cs@listb{\global\bidibidi@csname{#1}=
3661       {\the\bidibidi@toks@lista\the\bidibidi@toks@listb}}%
3662     \bidibidi@cs@listb}%
3663   \edef\bidibidi@cs@lista{\noexpand\bidibidi@cs@liste}\expandafter\the\csname#1\endcsname\noexpand\
3664   \bidibidi@cs@lista \endgroup}
3665 \def\bidibidi@in@front@of@list#1{\bidibidi@csarg{\let\expandafter\bidibidi@cs@lista}{#1}%
3666   \bidibidi@in@front@of@cslist\bidibidi@cs@lista}
3667 \long\def\bidibidi@in@front@of@cslist#1#2{\begingroup\bidibidi@toks@lista={#2}%
3668   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidibidi@toks@lista
3669   \endgroup}
3670 \long\def\bidibidi@local@in@front@of@list#1#2{\bidibidi@toks@lista={#2}%
3671   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter\
3672   {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter\
3673   \expandafter\the\csname#1\endcsname}%
3674   }
3675 \def\bidibidi@set@list#1{\bidibidi@csarg{\let\expandafter\bidibidi@cs@lista}{#1}%
3676   \bidibidi@set@cslist\bidibidi@cs@lista}
3677 \long\def\bidibidi@set@cslist#1#2{\begingroup\bidibidi@toks@lista={#2}%
3678   \global#1=\expandafter{\the\bidibidi@toks@lista}\endgroup}
3679
3680 %%%%%%%%%%%%%%%%%%%%%%%%%%% Stack macros
3681 %
3682 % push in terms of prepending of lists
3683 \def\bidibidi@push@cs@onto@cs#1#2{\@bidibidi@prepend@to@cslist#1\expandafter{\expandafter\\\expandafter
3684 \def\bidibidi@push@onto#1{\bidibidi@csarg\bidibidi@push@onto@cs{#1}}
3685 \def\bidibidi@push@onto@cs#1#2{\@bidibidi@prepend@to@cslist#1{\{\{\#2\}\}}
3686 \def\bidibidi@local@push@onto#1#2{\let\==\relax
3687   \bidibidi@local@in@front@of@list{#1}{\{\{\#2\}\}}
3688 % pop via auxiliary macro: #1 is result, #2 is stack
3689 % two cs arguments

```



```

3690 \def\bidipop@cs@into#1#2{\edef\bidics@e
3691   {\noexpand\@bidipopinto\noexpand#1\noexpand#2\the#2\noexpand\@bidipop}\bidics@e}
3692 % two string arguments
3693 \def\bidipop@into#1#2{\edef\bidics@e
3694   {\noexpand\@bidipopinto\bidicsname{#1}\bidicsname{#2}\bidicsarg\the{#2}\noexpand\@bidipop}
3695 \long\def\@bidipopinto#1#2\#3#4\@bidipop{#1{#3}#2{#4}}
3696 \def\bidicopy@stacktop#1#2{%
3697   \edef\bidics@e{\noexpand\@bidicopy@stacktop
3698     {#1}\bidicsarg\the{#2}\noexpand\@bidipop}%
3699   \bidics@e}
3700 \def\@bidicopy@stacktop#1\#2#3\@bidipop{csname#1\endcsname#2\relax}
3701 \newcount\bidistack@length \newtoks\bidiepty@stack \bidiepty@stack{\{\}}
3702 \def\bidilength@of@stack#1{\bidicsarg\bidilength@of@csstack{#1}}
3703 \def\bidilength@of@csstack#1{\def\##1{\advance\bidistack@length@m@ne}%
3704   \bidistack@length@m@ne \the#1}
3705 % turn a stack upside down
3706 \def\bidinvert@csstack#1{\bidilength@of@csstack{#1}%
3707   \biditempcountb\z@ \biditemptoksa\bidiepty@stack
3708   \loop\ifnum\biditempcountb<\bidistack@length
3709     \bidipop@cs@into\biditemptoksb#1\advance\bidistack@length@m@ne
3710     \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb
3711 %     \bidicappend@cslist@to@cslist\biditemptoksb\biditemptoksa% append a to b
3712 %     \biditemptoksa\biditemptoksb
3713     \repeat% copy b to a
3714     #1\biditemptoksa \biditemptoksa\bidiepty@toks}
3715 % invert a stack into a list
3716 \def\bidix@stack@to@list#1{\bidilength@of@stack{#1}%
3717   \biditempcountb\z@ \biditemptoksa\bidiepty@toks
3718   \loop\ifnum\biditempcountb<\bidistack@length
3719     \bidipop@into{\biditemptoksb}{#1}\advance\bidistack@length@m@ne
3720     \bidicappend@list@to@list{\biditemptoksb}{\biditemptoksa}\repeat
3721   \csname#1\endcsname\biditemptoksa \biditemptoksa\bidiepty@toks}
3722
3723
3724 % General loop macro:
3725 % \looprepeat
3726 %   \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3727 %   \untilcondition{<cond>} \whilecondition{<cond>}
3728 %   \doloopbody { <loop body> }
3729 % where all control sequences in between \looprepeat and \doloopbody are optional.
3730 %
3731 % var: characters to form a control sequence;
3732 %   after \forvariable{index} you can access the loop counter as \index.
3733 %   This is a count register; to print it use \number\index.
3734 % start,step,end: integers with obvious relations to the loop counter;
3735 %   start and step have a default value of 1
3736 % cond: (sequence of commands ending in) any TeX \if... test.
3737 %
3738 % Count down instead of up with \downtovalue; the increment given in \bystep
3739 % is always positive, and is added or subtracted accordingly.

```




```

3740%
3741% Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3742% at the beginning of the loop body.
3743%
3744% Exit from middle of loop: \breaklooprepeat
3745% use this at any place in the loop; in case of a conditional use
3746% \ifsomething ... \expandafter \breaklooprepeat \fi
3747%
3748% Note that the line ends do not cause spaces in the output.
3749%
3750% Technical details:
3751% The loop body is not executed in a group: the braces are those
3752% of a token list.
3753% The 'forvariable' variable is \let to a \count register.
3754
3755
3756
3757% Auxiliary stuff
3758\def\bidilooptrepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
3759\def\bidilooptrepeat@csromannumeral#1{\csname #1\romannumeral\bidilooptrepeat@depth\endcsname}
3760\def\bidilooptrepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooptrepeat@depth\endcsname}
3761
3762\newcount\bidilooptrepeat@depth
3763\let\endlooprepeat\relax \def\bidilooptrepeat@csprotect{}
3764% Trace switches may later be defined by PAC_utils
3765\let\bidilooptrepeat@traceinit\relax \let\bidilooptrepeat@traceexit\relax
3766
3767% Main repeatloop macro
3768% - go to next level and allocate unique counter/toks if this is the
3769% first time we visit this level
3770% - setup: gather bounds and termination conditions
3771% - scoop up body in token list; after the assignment define and
3772% execute body
3773\def\looprepeat#1\doloopbody{\bidilooptrepeat@traceinit % exit in \breakrepeatloop
3774 \advance\bidilooptrepeat@depth\@ne\relax
3775 \bidilooptrepeat@csargromannumeral\ifx\bidilooptrepeat@count\relax
3776 \bidilooptrepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidilooptrepeat@depth\endcsname}
3777 \bidilooptrepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooptrepeat@depth\endcsname}
3778 \bidilooptrepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooptrepeat@depth\endcsname}
3779 \bidilooptrepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooptrepeat@depth\endcsname}
3780 \fi \bidilooptrepeat@zero \def\bidilooptrepeat@sign{}\def\bidilooptrepeat@comp{>}\bidilooptrepeat@depth\endcsname}
3781 \edef\bidilooptrepeat@tmp
3782 {\def\bidilooptrepeat@csargromannumeral\noexpand{\bidilooptrepeat@looprepeat}{\bidilooptrepeat@body}%
3783 \afterassignment\bidilooptrepeat@dxbod\bidilooptrepeat@csromannumeral{\bidilooptrepeat@toks}%
3784
3785% Define and execute loop body
3786% This is done with an \edef to construct the actual sequence
3787\def\bidilooptrepeat@dxbod{\bidilooptrepeat@csargromannumeral\edef{\bidilooptrepeat@body}{%
3788 \bidilooptrepeat@csargromannumeral\the{\bidilooptrepeat@wtest}%
3789 \noexpand\the\bidilooptrepeat@csargromannumeral\noexpand{\bidilooptrepeat@toks}%

```



```

3790     \bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@utest}%
3791     \global\bidi@looprepeat@csargromannumeral\advance\bidi@looprepeat@count by \bidi@looprepe
3792     \noexpand\endlooprepeat
3793     \bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@looprepeat}}%
3794     \bidi@looprepeat@csromannumeral\bidi@looprepeat@body}\ignorespaces}
3795
3796 % Stop test
3797 %% In order to stop, issue a
3798 % \breaklooprepeat which scoops up the rest of the body and exits
3799 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral\
3800     \advance\bidi@looprepeat@depth@mOne \bidi@looprepeat@traceexit
3801 }
3802
3803
3804 % Setup
3805 % gather bounds and termination conditions
3806 \def\bidi@looprepeat@setup#1{%
3807     \begingroup
3808     \def\forvariable##1{%
3809         \edef\bidi@looprepeat@tmp{%
3810             \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral\bidi@l
3811             \bidi@looprepeat@tmp}%
3812         \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global\bidi@looprepeat@count}##1\ign
3813         \def\tovalue##1{%
3814             \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@loopre
3815             {\bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@wtest}%
3816             \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@count\bidi
3817             \noexpand\expandafter \noexpand\breaklooprepeat
3818             \noexpand\fi}\ignorespaces}%
3819             \bidi@looprepeat@tmp}%
3820         \def\downtovalue##1{%
3821             \gdef\bidi@looprepeat@sign{-}\gdef\bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
3822         \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value}\
3823             \bidi@looprepeat@csargromannumeral\gdef\bidi@looprepeat@inc{-##1}\else
3824             \bidi@looprepeat@csargromannumeral\gdef\bidi@looprepeat@inc{##1}\fi\ignorespaces}
3825         \def\untilcondition##1{%
3826             \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@loopre
3827             {\noexpand##1\relax
3828             \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3829             \bidi@looprepeat@tmp}%
3830         \def\whilecondition##1{%
3831             \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@loopre
3832             {\noexpand##1\relax \noexpand\else
3833             \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3834             \bidi@looprepeat@tmp}%
3835             \fromvalue{\@ne}\bystep{\@ne}#1%
3836         \endgroup}
3837 \def\bidi@looprepeat@zero
3838     {\bidi@looprepeat@csromannumeral\bidi@looprepeat@toks}{\bidi@looprepeat@csromannumeral\bidi
3839     \bidi@looprepeat@csargromannumeral\def\bidi@looprepeat@body{}}

```



```

3840
3841 %\tracingmacros2
3842 %\newcount\tmpcount % used in some examples below
3843
3844 %\looprepeat \forvariable{i}
3845 %      \bystep{2}
3846 % \doloopbody {%
3847 %      \ifnum i=13 \expandafter\breaklooprepeat \fi
3848 %      \number{i} } %
3849 %}%
3850
3851 %\looprepeat \forvariable{iii}
3852 %      \tovalue{8}
3853 % \doloopbody {}
3854 %After loop: \number{iii}%
3855
3856 %\looprepeat \forvariable{i}
3857 %      \fromvalue{10}
3858 %      \bystep{2}
3859 %      \downtovalue{0}
3860 % \doloopbody {\number{i} }
3861
3862 %\looprepeat \forvariable{x} \whilecondition{\ifnum x<7}
3863 % \doloopbody {\number{x} }
3864
3865 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
3866
3867 %\looprepeat \forvariable{j}
3868 %      \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
3869 % \doloopbody {\number{j} }
3870
3871 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
3872 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
3873 % \doloopbody {(\number{i}.\number{j}) }
3874 % }
3875
3876 % infinite loop
3877 %\looprepeat \doloopbody {}
3878
3879 \CheckCommand{\InputIfFileExists}[2]{%
3880   \IfFileExists{#1}%
3881     {#2\@addtofilelist{#1}\@input \@filef@und}}
3882
3883 \renewcommand{\InputIfFileExists}[2]{%
3884   \begingroup\expandafter\expandafter\expandafter\endgroup
3885   \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3886     \expandafter\@secondoftwo
3887   \else
3888     \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3889     \expandafter\@firstoftwo

```



```

3890 \fi
3891 {%
3892   \expandafter\InputIfFileExists\expandafter{\csname
3893     #1-@bidi@alias\endcsname}{#2}%
3894 }%
3895 {\IfFileExists{#1}{%
3896   \bidi@load@hook{before}{#1}%
3897   #2\@addtofilelist{#1}%
3898   \@input \@filef@und
3899   \bidi@load@hook{after}{#1}%
3900 }}%
3901 }
3902
3903 \newcommand*{\bidi@loadwithoptions}{%
3904 \newcommand*{\bidi@loadwithoptions}{%
3905 \let\bidi@loadwithoptions\@loadwithoptions
3906
3907 \renewcommand*{\@loadwithoptions}[3]{%
3908   \begingroup\expandafter\expandafter\expandafter\endgroup
3909   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3910     \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3911   \else
3912     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3913     \def\bidi@loadwithoptions{%
3914       \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3915     }%
3916   \fi
3917   \bidi@loadwithoptions
3918 }
3919
3920 \newcommand*{\bidi@onefilewithoptions}{%
3921 \let\bidi@onefilewithoptions\@onefilewithoptions
3922 \def\@onefilewithoptions#1[#2][#3]#4{%
3923   \begingroup\expandafter\expandafter\expandafter\endgroup
3924   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3925     \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3926   \else
3927     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3928     \edef\bidi@onefilewithoptions{%
3929       \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3930   \fi
3931   \bidi@onefilewithoptions[#{#2}][#{#3}]{#4}%
3932   \bidi@load@hook{lateafter}{#1.#4}%
3933 }
3934
3935 \newcommand*{\bidi@ReplaceInput}[2]{%
3936   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3937 }
3938
3939 \newcommand*{\bidi@UnReplaceInput}[1]{%

```



```

3940 \ifcsname #1-@bidi@alias\endcsname
3941 \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3942 \fi
3943 }
3944
3945 \newcommand*{\@bidi@replacefilewithtext}[3]{%
3946 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3947 }
3948 \newcommand*{\@bidi@ReplacePackage}[2]{%
3949 \@bidi@replacefilewithtext{#1}{#2}\@pkgextension
3950 }
3951 \newcommand*{\@bidi@ReplaceClass}[2]{%
3952 \@bidi@replacefilewithtext{#1}{#2}\@clsextension
3953 }
3954 \newcommand*{\@bidi@unreplacefilewithtext}[2]{%
3955 \ifcsname #1.#2-@bidi@aliasname\endcsname
3956 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3957 \fi
3958 }
3959 \newcommand*{\@bidi@UnReplacePackage}[1]{%
3960 \@bidi@unreplacefilewithtext{#1}\@pkgextension
3961 }
3962 \newcommand*{\@bidi@UnReplaceClass}[1]{%
3963 \@bidi@unreplacefilewithtext{#1}\@clsextension
3964 }
3965 \newcommand*{\@bidi@replacefile@msg}[2]{%
3966 \PackageInfo{biditools}{inputting `#1' instead of `#2'}%
3967 }
3968
3969 \newcommand*{\@bidi@load@hook}[2]{%
3970 \@ifundefined{#2-@#1}{}%
3971 \@nameuse{#2-@#1}%
3972 \expandafter\let\csname #2-@#1\endcsname=\relax}}
3973 \newcommand*{\@bidi@set@load@hook}[2]{%
3974 \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}}%
3975 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3976 \newcommand*{\@bidi@BeforeFile}{\@bidi@set@load@hook{before}}
3977 \newcommand*{\@bidi@AfterFile}{\@bidi@set@load@hook{after}}
3978 \newcommand*{\@bidi@BeforeClass}[1]{%
3979 \@bidi@set@load@hook{before}{#1.\@clsextension}}
3980 \newcommand*{\@bidi@AfterClass}{%
3981 \@ifstar {\@s@bidi@AfterClass}{%
3982 \@ifnextchar +\@@bidi@AfterClass{%
3983 \@ifnextchar !\@@@bidi@AfterClass\@bidi@AfterClass
3984 }%
3985 }%
3986 }
3987
3988 \newcommand*{\@@@bidi@AfterClass}[2]{%
3989 \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax

```



```

3990 \aftergroup\@s@bidi@AfterClass
3991 \else
3992 \aftergroup\bidi@AfterAtEndOfClass
3993 \fi
3994 \endgroup{#2}%
3995 }
3996
3997 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3998 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3999 \newcommand*{\@@bidi@AfterClass}[2]{%
4000 \begingroup
4001 \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
4002 \aftergroup\@s@bidi@AfterClass
4003 \else
4004 \aftergroup\@bidi@AfterClass
4005 \fi
4006 \endgroup{#2}%
4007 }
4008
4009 \newcommand*{\@bidi@AfterClass}[1]{%
4010 \bidi@set@load@hook{after}{#1.\@clsextension}}
4011 \newcommand*{\@s@bidi@AfterClass}[1]{%
4012 \begingroup
4013 \@ifclassloaded{#1}{%
4014 \aftergroup\@secondoftwo
4015 }{%
4016 \aftergroup\@bidi@AfterClass
4017 }%
4018 \endgroup
4019 {#1}%
4020 }
4021
4022
4023 \newcommand*{\bidi@BeforePackage}[1]{%
4024 \bidi@set@load@hook{before}{#1.\@pkgextension}}
4025 \newcommand*{\bidi@AfterPackage}{%
4026 \@ifstar {\@s@bidi@AfterPackage}{%
4027 \@ifnextchar +\@@bidi@AfterPackage{%
4028 \@ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
4029 }%
4030 }%
4031 }
4032 \newcommand*{\@@@bidi@AfterPackage}[2]{%
4033 \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
4034 \aftergroup\@s@bidi@AfterPackage
4035 \else
4036 \aftergroup\bidi@AfterAtEndOfPackage
4037 \fi
4038 \endgroup{#2}%
4039 }

```



```

4040 \newcommand*{\@bidi@AfterAtEndOfPackage}[1]{%
4041   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
4042 \newcommand*{\@bidi@AfterPackage}[2]{%
4043   \beginingroup
4044     \expandafter\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
4045       \aftergroup\@s@bidi@AfterPackage
4046     \else
4047       \aftergroup\@bidi@AfterPackage
4048     \fi
4049   \endgroup{#2}%
4050 }
4051 \newcommand*{\@bidi@AfterPackage}[1]{%
4052   \bidi@set@load@hook{after}{#1.\@pkgextension}}
4053 \newcommand*{\@s@bidi@AfterPackage}[1]{%
4054   \beginingroup
4055     \ifpackageloaded{#1}{%
4056       \aftergroup\@secondoftwo
4057     }{%
4058       \aftergroup\@bidi@AfterPackage
4059     }%
4060   \endgroup
4061   {#1}%
4062 }
4063
4064 \newcommand*{\@bidi@excludedpackages}{%
4065   \let\bidi@excludedpackages\@empty
4066 \newcommand*{\@bidi@saved@RequirePackage}{%
4067 \newcommand*{\@bidi@PreventPackageFromLoading}{%
4068   \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
4069   {\@bidi@PreventPackageFromLoading\PackageWarning}%
4070 }
4071 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
4072   \@ifnextchar [%]
4073   {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1[]}%
4074 }
4075 \newcommand*{\@bidi@PreventPackageFromLoading}{%
4076
4077 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
4078   \edef\reserved@b{\zap@space#3 \@empty}%
4079   \ifx \reserved@b\@empty
4080     #1{\biditytools}{%
4081       \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
4082       argument ignored%
4083     }%
4084   \else
4085     \ifx\bidi@excludedpackages\@empty
4086       \let\bidi@saved@RequirePackage\RequirePackage
4087       \let\RequirePackage\bidi@RequirePackage
4088     \def\reserved@a##1##{%
4089       \@latex@error

```



```

4090     {\noexpand \usepackage before \string\documentclass}%
4091     {\noexpand \usepackage may only appear in the document
4092      preamble, i.e.,\MessageBreak
4093      between \noexpand\documentclass and
4094      \string\begin{document}.}%
4095     \@gobble}%
4096   \ifx\reserved@a\usepackage\else
4097     \ifx\usepackage\bidisaved@RequirePackage\else
4098       \PackageWarning{biditools}{%
4099         Maybe serious problem: unexpected definition of\MessageBreak
4100         \string\usepackage
4101       }%
4102     \fi
4103     \let\usepackage\RequirePackage
4104   \fi
4105 \fi
4106 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
4107 \reserved@b\do {%
4108   \ifx\reserved@a\@empty
4109     #1{biditools}{%
4110       empty package argument for
4111       \string\bidisaved@PreventPackageFromLoading\MessageBreak
4112       ignored%
4113     }%
4114   \else
4115     \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
4116       #1{biditools}{%
4117         package `\'reserved@a' already loaded.\MessageBreak
4118         Cannot prevent it from being loaded%
4119       }%
4120     }{%
4121       \edef\bidisaved@excludedpackages{\bidisaved@excludedpackages,%
4122         \reserved@a}%
4123       \if\relax\detokenize{#2}\relax\else
4124         \@ifundefined{bidisaved@exclude@package@\reserved@a @do}{%
4125           \@namedef{bidisaved@exclude@package@\reserved@a @do}{%
4126             }{%
4127               \expandafter\def
4128               \csname bidisaved@exclude@package@\reserved@a
4129                 @do\expandafter\expandafter\expandafter\endcsname
4130             \expandafter\expandafter\expandafter{%
4131               \csname bidisaved@exclude@package@\reserved@a @do\endcsname
4132             #2%
4133             }%
4134           \fi
4135         }%
4136       \fi
4137     }%
4138   \ifx\bidisaved@excludedpackages\@empty
4139     \bidisaved@ResetPreventPackageFromLoading

```




```

4140 \fi
4141 \fi
4142 }
4143
4144 \@onlypreamble\bidipreventPackageFromLoading
4145 \newcommand*{\bidipreventPackageFromLoading}{%
4146 \let\bidipreventPackageFromLoading\empty
4147 \ifx\RequirePackage\bidipreventPackage
4148 \ifx\usepackage\RequirePackage
4149 \let\usepackage\bidipreventPackage
4150 \fi
4151 \let\RequirePackage\bidipreventPackage
4152 \fi
4153 }
4154 \@onlypreamble\bidiresetPackageFromLoading
4155 \newcommand*{\bidiresetPackageFromLoading}[1]{%
4156 \let#1\bidipreventPackageFromLoading
4157 }
4158 \@onlypreamble\bidistorePackageFromLoading
4159 \newcommand*{\bidistorePackageFromLoading}{%
4160 \@ifstar {\@tempwatrue\bidistorePackageFromLoading}%
4161 {\@tempwafalse\bidistorePackageFromLoading}%
4162 }
4163
4164 \newcommand*{\bidistorePackageFromLoading}[1]{%
4165 \edef\reserved@a{\zap@space#1 \empty}%
4166 \if@tempwa
4167 \for\reserved@a:=\reserved@a\do {%
4168 \ifx\reserved@a\empty \else
4169 \ifcsname \bidipreventPackageFromLoading\reserved@a \endcsname
4170 \expandafter\let
4171 \csname \bidipreventPackageFromLoading\reserved@a \endcsname
4172 \undefined
4173 \fi
4174 \fi
4175 }%
4176 \fi
4177 \ifcsname \bidipreventPackageFromLoading\endcsname
4178 \let\reserved@a\bidipreventPackageFromLoading
4179 \let\bidipreventPackageFromLoading\empty
4180 \expandafter\for\expandafter\reserved@c
4181 \expandafter:\expandafter=\reserved@a
4182 \do{%
4183 \ifx\reserved@c\empty\else
4184 \expandafter\in\{,\reserved@c,\},\reserved@a,%
4185 \ifin@
4186 \else
4187 \edef\bidipreventPackageFromLoading{%
4188 \bidipreventPackageFromLoading,\reserved@c
4189 }%

```



```

4190         \fi
4191     \fi
4192 }%
4193 \ifx\bidix@excludedpackages\@empty\bidix@ResetPreventPackageFromLoading\fi
4194 \fi
4195 }
4196
4197
4198 \newcommand*\bidix@RequirePackage}[2] [] {%
4199     \let\reserved@c\@empty
4200     \let\reserved@d\@empty
4201     \edef\reserved@b{\zap@space#2 \@empty}%
4202     \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
4203     \do {%
4204         \begingroup
4205         \@tempswatrue
4206         \@for\reserved@a:=\bidix@excludedpackages\do {%
4207             \ifx\reserved@a\reserved@b
4208                 \@tempswafalse
4209             \fi
4210         }%
4211         \if@tempswa
4212             \xdef\reserved@c{\reserved@c,\reserved@b}%
4213         \else
4214             \ifx\reserved@b\@empty\else
4215                 \PackageInfo{biditools}{Excluding package `\'reserved@b'\MessageBreak
4216                     from loading}%
4217                 \@ifundefined{bidix@exclude@package@\reserved@b @do}{%
4218                     }{%
4219                     \expandafter\g@addto@macro\expandafter\reserved@d
4220                     \csname bidix@exclude@package@\reserved@b @do\endcsname
4221                     }%
4222             \fi
4223         \fi
4224     \endgroup
4225 }%
4226 \ifx\reserved@c\@empty
4227     \let\reserved@a\bidix@gobbleopt
4228 \else
4229     \edef\reserved@a{\noexpand\bidix@saves@RequirePackage[#1] {%
4230         \expandafter\@gobble\reserved@c\@empty}}%
4231 \fi
4232 \expandafter\reserved@d
4233 \reserved@a
4234 }
4235
4236 \newcommand*\bidix@gobbleopt}[1] [] {}
4237 \AtEndDocument{%
4238     \let\bidix@saves@checkend=\@checkend
4239     \renewcommand*\@checkend}[1] {%

```



```

4240 \def\reserved@a{#1}\def\reserved@b{document}%
4241 \bidi@saved@checkend{#1}%
4242 \ifx\reserved@a\reserved@b
4243   \let\bidi@saved@clearpage=\clearpage
4244   \renewcommand*{\clearpage}{\bidi@saved@clearpage
4245     \bidi@hook@bcma
4246     \bidi@restore@newpage
4247     \let\clearpage=\bidi@saved@clearpage}%
4248 \fi%
4249 \let\bidi@saved@dofilelist\@dofilelist
4250 \def\@dofilelist{%
4251   \bidi@hook@acma
4252   \let\@dofilelist\bidi@saved@dofilelist
4253   \bidi@saved@dofilelist
4254 }%
4255 }%
4256 }
4257
4258
4259 \newcommand*{\bidi@saved@checkend}{%
4260 \newcommand*{\bidi@saved@dofilelist}{%
4261 \newcommand*{\bidi@redefine@newpage}{%
4262   \let\bidi@saved@newpage\newpage
4263   \def\bidi@restore@newpage{%
4264     \renewcommand*{\newpage}{%
4265       \PackageWarningNoLine{%
4266         biditools%
4267       }{%
4268         \string\newpage\space at main aux file!\MessageBreak
4269         You have output material at the main aux file.\MessageBreak
4270         Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
4271         are processed before the output from aux file%
4272       }%
4273       \let\newpage\bidi@saved@newpage
4274       \newpage
4275     }%
4276   }%
4277   \renewcommand*{\newpage}{%
4278     \PackageError{%
4279       biditools%
4280     }{%
4281       \string\newpage\space at \string\bidi@BeforeClosingMainAux
4282     }{%
4283       You should never use \string\newpage\space or
4284       \string\clear(double)page or other output material at the\MessageBreak
4285       argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
4286       If you'll continue, the \string\newpage\space will be ignored to
4287       avoid corruption of\MessageBreak
4288       every prior use of \string\bidi@BeforeClosingMainAux.
4289     }%

```



```

4290 }%
4291 }
4292
4293 \newcommand*{\bidi@restore@newpage}{%
4294 \newcommand*{\bidi@hook@bcma}{%
4295 \newcommand*{\bidi@hook@acma}{%
4296 \newcommand*{\bidi@BeforeClosingMainAux}{%
4297 \ifx\bidi@hook@bcma\@empty
4298 \gdef\bidi@hook@bcma{%
4299 \renewcommand*{\bidi@BeforeClosingMainAux}[1]{###1}%
4300 \let\protected@write\bidi@protected@immediate@write
4301 \bidi@redefine@newpage
4302 }%
4303 \fi
4304 \g@addto@macro\bidi@hook@bcma%
4305 }
4306
4307 \newcommand*{\bidi@AfterReadingMainAux}{%
4308 \ifx\bidi@hook@acma\@empty
4309 \gdef\bidi@hook@acma{%
4310 \renewcommand*{\bidi@AfterReadingMainAux}[1]{###1}%
4311 \let\protected@write\bidi@protected@immediate@write
4312 }%
4313 \fi
4314 \g@addto@macro\bidi@hook@acma%
4315 }
4316
4317 \long\def\bidi@protected@immediate@write#1#2#3{%
4318 \begingroup
4319 #2%
4320 \let\protect\@unexpandable@protect
4321 \edef\reserved@a{\immediate\write#1{#3}}%
4322 \reserved@a
4323 \endgroup
4324 \if@nobreak\ifvmode\nobreak\fi\fi
4325 }
4326
4327 \def\bidi@patch@counter{0}%
4328 \if@bidi@csundef{numexpr}{%
4329 \def\bidi@patch@stepcounter{%
4330 \begingroup
4331 \count@\bidi@patch@counter\relax
4332 \advance\count@\@one\relax
4333 \edef\x{\endgroup
4334 \noexpand\def\noexpand\bidi@patch@counter{\the\count@}}%
4335 }%
4336 \x
4337 }%
4338 }{%
4339 \def\bidi@patch@stepcounter{%

```



```

4340 \edef\bidipatch@counter{%
4341 \the\numexpr\bidipatch@counter+\@ne\relax
4342 }%
4343 }%
4344 }
4345 \def\bidipatch@list{}
4346 \def\bidipatch@Add{%
4347 \bidipatch@appto\bidipatch@list
4348 }
4349 \def\bidipatch@AfterPackage#1{%
4350 \@ifpackageloaded{#1}{%
4351 \@firstofone
4352 }{%
4353 \bidipatch@AfterPackage{#1}%
4354 }%
4355 }
4356 \def\@bidipatch@AfterPackage#1{%
4357 \edef\bidipatch@temp{#1}%
4358 \bidipatch@stepcounter
4359 \expandafter\bidipatch@@AfterPackage
4360 \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
4361 \bidipatch@temp
4362 }%
4363 }
4364 \def\bidipatch@@AfterPackage#1#2#3{%
4365 \begingroup
4366 \toks@{#3}%
4367 \xdef\bidipatch@gtemp{%
4368 \noexpand\@ifpackageloaded{#2}{%
4369 \noexpand\let\noexpand#1\noexpand\relax
4370 \the\toks@
4371 }{}}%
4372 }%
4373 \endgroup
4374 \let#1\bidipatch@gtemp
4375 \bidipatch@Add#1%
4376 \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
4377 }
4378
4379 \def\bidipatch@try#1#2#3{%
4380 \if@bidipatch@csundef{#1}{%
4381 \csname #1\endcsname{#2}{#3}%
4382 }%
4383 }
4384
4385 \AtBeginDocument{\bidipatch@list}
4386
4387 \bidipatch@AtEndPreamble{\bidipatch@list}%
4388
4389 \bidipatch@AfterEndPreamble{%

```



```

4390 \let\bidipatch@OrgIfPackageLoaded\@ifpackageloaded
4391 \let\bidipatch@OrgIfPackageLater\@ifpackagelater
4392 \let\bidipatch@OrgIfClassLoaded\@ifclassloaded
4393 \let\bidipatch@OrgIfClassLater\@ifclasslater
4394 \bidipatch@list
4395 \let\@ifpackageloaded\bidipatch@OrgIfPackageLoaded
4396 \let\@ifpackagelater\bidipatch@OrgIfPackageLater
4397 \let\@ifclassloaded\bidipatch@OrgIfClassLoaded
4398 \let\@ifclasslater\bidipatch@OrgIfClassLater
4399 }%

```

22 File `bidituftefloat.sty`

```

4400 \NeedsTeXFormat{LaTeX2e}
4401 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
4402 bidi implementation of tufte float]
4403 \RequirePackage{xifthen}
4404 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
4405 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
4406 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidituftefloat@debug}}{\bidituftefloatDebugInfoNL}{}}
4407 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
4408 \newboolean{\@bidituftefloat@reversegeometry}
4409 \setboolean{\@bidituftefloat@reversegeometry}{false}
4410 \DeclareOption{reversegeometry}{\setboolean{\@bidituftefloat@reversegeometry}{true}}
4411 \newboolean{\@bidituftefloat@a4paper}
4412 \DeclareOption{a4paper}{\setboolean{\@bidituftefloat@a4paper}{true}}
4413 \newboolean{\@bidituftefloat@b5paper}
4414 \DeclareOption{b5paper}{\setboolean{\@bidituftefloat@b5paper}{true}}
4415 \newboolean{\@bidituftefloat@symmetric}
4416 \newboolean{\@bidituftefloat@twoside}
4417 \DeclareOption{twoside}{%
4418 \@twosidetrue \mparswitchtrue%
4419 \setboolean{\@bidituftefloat@twoside}{true}%
4420 \setboolean{\@bidituftefloat@symmetric}{true}%
4421 }
4422 \DeclareOption{oneside}{%
4423 \@twosidefalse \mparswitchfalse%
4424 \setboolean{\@bidituftefloat@twoside}{false}%
4425 \setboolean{\@bidituftefloat@symmetric}{false}%
4426 }
4427 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4428 \newboolean{\@bidituftefloat@debug}
4429 \newcommand*{\@bidituftefloat@caption@justification}{\@bidituftefloat@justification@autodetect}
4430 \ProcessOptions
4431 %% Globally sets the length
4432 \newcommand*{\gsetlength}[2]{%
4433 \setlength{#1}{#2}%
4434 \global#1=#1\relax%
4435 }
4436

```



```

4437%% Set the font sizes and baselines to match bidingfloat's books
4438\renewcommand\normalsize{%
4439  \@setfontsize\normalsize\@xpt{14}%
4440  \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4441  \abovedisplayshortskip \z@ \@plus3\p@
4442  \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4443  \belowdisplayskip \abovedisplayskip
4444  \let\@listi\@listI}
4445\normalbaselineskip=14pt
4446\normalsize
4447\renewcommand\footnotesize{%
4448  \@setfontsize\footnotesize\@viipt{10}%
4449  \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4450  \abovedisplayshortskip \z@ \@plus\p@
4451  \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4452  \def\@listi{\leftmargin\leftmarginI
4453      \topsep 3\p@ \@plus\p@ \@minus\p@
4454      \parsep 2\p@ \@plus\p@ \@minus\p@
4455      \itemsep \parsep}%
4456  \belowdisplayskip \abovedisplayskip
4457}
4458%% Paragraph indentation and separation for marginal text
4459\newcommand{\@bidingfloat@margin@par}{%
4460  \setlength{\RaggedRightParindent}{0.5pc}%
4461  \setlength{\JustifyingParindent}{0.5pc}%
4462  \setlength{\parindent}{0.5pc}%
4463  \setlength{\parskip}{0pt}%
4464}
4465\RequirePackage{ragged2e}
4466\ifthenelse{\boolean{@bidingfloat@reversegeometry}}{%
4467\RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar]{ragged2e}
4468\ifthenelse{\boolean{@bidingfloat@a4paper}}{
4469  {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar}{
4470    }
4471\ifthenelse{\boolean{@bidingfloat@b5paper}}{
4472  {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar}{
4473    }
4474\RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar]{ragged2e}
4475\ifthenelse{\boolean{@bidingfloat@a4paper}}{
4476  {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar}{
4477    }
4478\ifthenelse{\boolean{@bidingfloat@b5paper}}{
4479  {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar}{
4480    }
4481\ifthenelse{\boolean{@bidingfloat@symmetric}}{
4482  {}
4483  {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
4484\setlength\marginparpush{10pt}
4485%% Font for margin items
4486\newcommand{\@bidingfloat@marginfont}{\normalfont\footnotesize}

```



```

4487 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
4488 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
4489 \newcommand{\@biditytfloat@justification}{\justifying}%
4490 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
4491 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
4492 \newboolean{\@biditytfloat@changepage}
4493 \IfFileExists{changepage.sty}{%
4494   \biditytfloatDebugInfoNL{Found changepage.sty}
4495   \RequirePackage[strict]{changepage}
4496   \setboolean{\@biditytfloat@changepage}{true}
4497 }{%
4498   \biditytfloatDebugInfoNL{Found chngpage.sty}
4499   \RequirePackage[strict]{chngpage}
4500   \setboolean{\@biditytfloat@changepage}{false}
4501 }
4502 \newboolean{\@biditytfloat@odd@page}
4503 \setboolean{\@biditytfloat@odd@page}{true}
4504 \newcommand*{\@biditytfloat@checkoddpager}{%
4505   \checkoddpager%
4506   \ifthenelse{\boolean{\@biditytfloat@changepage}}{%
4507     \ifoddpager%
4508       \setboolean{\@biditytfloat@odd@page}{true}%
4509     \else%
4510       \setboolean{\@biditytfloat@odd@page}{false}%
4511     \fi%
4512   }{%
4513     \ifcpoddpager%
4514       \setboolean{\@biditytfloat@odd@page}{true}%
4515     \else%
4516       \setboolean{\@biditytfloat@odd@page}{false}%
4517     \fi%
4518   }%
4519 }
4520 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running head
4521 \newlength{\@biditytfloat@fullwidth}
4522 \newlength{\@biditytfloat@caption@fill}
4523 \newcommand{\@biditytfloatRecalculate}{%
4524   \setlength{\@biditytfloat@overhang}{\marginparwidth}
4525   \addtolength{\@biditytfloat@overhang}{\marginparsep}
4526
4527   \setlength{\@biditytfloat@fullwidth}{\textwidth}
4528   \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
4529   \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
4530
4531   \setlength{\@biditytfloat@caption@fill}{\textwidth}
4532   \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
4533 }
4534 \AtBeginDocument{\@biditytfloatRecalculate}
4535 \RequirePackage{optparams}% provides multiple optional arguments for commands
4536 \RequirePackage{placeins}

```




```

4537 \newsavebox{\@biditytfloat@margin@floatbox}
4538 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
4539   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
4540   \begin{lrbox}{\@biditytfloat@margin@floatbox}%
4541   \begin{minipage}{\marginparwidth}%
4542     \@biditytfloat@caption@font%
4543     \def\@capttype{#2}%
4544     \hbox{\vspace*{#1}%
4545       \@biditytfloat@caption@justification%
4546       \@biditytfloat@margin@par%
4547       \noindent%
4548     }
4549   {\end{minipage}%
4550   \end{lrbox}%
4551   \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
4552 }
4553 \newenvironment{marginfigure}[1][-1.2ex]%
4554   {\begin{@biditytfloat@margin@float}[#1]{figure}}
4555   {\end{@biditytfloat@margin@float}}
4556 \newenvironment{margintable}[1][-1.2ex]%
4557   {\begin{@biditytfloat@margin@float}[#1]{table}}
4558   {\end{@biditytfloat@margin@float}}
4559 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
4560
4561 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float is processed
4562 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
4563   \ifthenelse{equal{\@biditytfloat@float@debug@info}{}}%
4564     {\def\@biditytfloat@float@debug@info{#1}}%
4565     {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
4566 }
4567 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4568 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug@info{setfloatalignment: #1}}
4569 \newboolean{@biditytfloat@float@recto}
4570 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug@info{forcerectofloat}}
4571 \newcommand{\forceeversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug@info{forceeversofloat}}
4572 \newsavebox{\@biditytfloat@figure@box}
4573 \newsavebox{\@biditytfloat@caption@box}
4574 \let\@biditytfloat@orig@float\@float
4575 \let\@biditytfloat@orig@endfloat\endfloat
4576 \newlength{\@biditytfloat@caption@vertical@offset}
4577 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
4578 \newcommand{\@biditytfloat@stored@shortcaption}{%
4579   \newcommand{\@biditytfloat@stored@caption}{%
4580     \newcommand{\@biditytfloat@stored@label}{%
4581       \long\def\@biditytfloat@caption[#1][#2]#3{%
4582         \ifthenelse{isempty{#1}}%
4583           {\gdef\@biditytfloat@stored@shortcaption{#3}}%
4584           {\gdef\@biditytfloat@stored@shortcaption{#1}}%
4585         \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to lower the caption
4586         \gdef\@biditytfloat@stored@caption{#3}%

```



```

4587 }
4588 \newcommand{\@biditytfloat@label}[1]{%
4589   \gdef\@biditytfloat@stored@label{#1}%
4590 }
4591 \newcommand{\@biditytfloat@fps}{%
4592 \newboolean{\@biditytfloat@float@star}
4593 \newlength{\@biditytfloat@float@contents@width}
4594 \newenvironment{\@biditytfloat@float}[3][htbp]%
4595 {% begin \@biditytfloat@float
4596   % Should this float be full-width or just text-width?
4597   \ifthenelse{\equal{#3}{star}}{%
4598     {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
4599     {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
4600   % Check page side (recto/verso) and store detected value -- can be overridden in environment
4601   \@biditytfloat@checkoddpagel%
4602   \ifthenelse{\boolean{\@biditytfloat@odd@page}}{%
4603     {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}}\@biditytfloat@float@debug{Detect
4604     {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}}\@biditytfloat@float@debug{Detect
4605   % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,
4606   \renewcommand{\@biditytfloat@fps}{#1}%
4607   \@biditytfloat@float@debug{Allowed positions: [#1]}%
4608   \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
4609     {\renewcommand{\floatalignment}{b}}\@biditytfloat@float@debug{Presumed position: [bottom]}
4610     {\renewcommand{\floatalignment}{t}}\@biditytfloat@float@debug{Presumed position: [top]}
4611   % Capture the contents of the \caption and \label commands to use later
4612   \global\let\@biditytfloat@orig@caption\caption%
4613   \global\let\@biditytfloat@orig@label\label%
4614   \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[] [Opt]}}%
4615   \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
4616   % Handle subfigure package compatibility
4617   \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
4618     \bidi@patchcmd{\subfigure}{%
4619       \let\subfig@oldlabel=\label
4620     }{%
4621       \let\subfig@oldlabel=\@biditytfloat@orig@label
4622     }
4623   }
4624   {}
4625   \let\subtable=\subfigure
4626 }{% subfigure package is not loaded
4627 \@biditytfloat@orig@float{#2}[#1}%
4628 \ifthenelse{\boolean{\@biditytfloat@float@star}}{%
4629   {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4630   {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4631   \begin{lrbox}{\@biditytfloat@figure@box}%
4632     \begin{minipage}[floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
4633   }{% end \@biditytfloat@float
4634     \par\hbox{} \vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% align
4635     \end{minipage}%
4636   \end{lrbox}%

```



```

4637 % build the caption box
4638 \begin{lrbox}{\@biditytfloat@caption@box}%
4639 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4640 \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@capti
4641 \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label{
4642 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4643 \end{minipage}%
4644 \end{lrbox}%
4645 % now typeset the stored boxes
4646 \begin{fullwidth}%
4647 \begin{minipage}[\floatalignment]{\linewidth}%
4648 \ifthenelse{\boolean{@biditytfloat@float@star}}%
4649 {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4650 {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4651 \end{minipage}%
4652 \end{fullwidth}%
4653 \@biditytfloat@orig@endfloat% end original LaTeX float environment
4654 % output debug info
4655 \ifthenelse{\boolean{@biditytfloat@debug}}{%
4656 \typeout{^^J^^J----- biditytfloat package float information -----}%
4657 \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
4658 {\typeout{Warning: Float unlabeled!}}%
4659 {\typeout{Float label: [\@biditytfloat@stored@label]}}%
4660 \typeout{Page number: [\thepage]}%
4661 \def\MessageBreak{^^J}%
4662 \typeout{\@biditytfloat@float@debug@info}%
4663 \ifthenelse{\boolean{@biditytfloat@symmetric}}%
4664 {\typeout{Symmetric: [true]}}%
4665 {\typeout{Symmetric: [false]}}%
4666 \typeout{-----^^J^^J}%
4667 }%
4668 % reset commands and temp boxes and captions
4669 \gdef\@biditytfloat@float@debug@info{%
4670 \let\caption\@biditytfloat@orig@caption%
4671 \let\label\@biditytfloat@orig@label%
4672 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
4673 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
4674 \gdef\@biditytfloat@stored@shortcaption{%
4675 \gdef\@biditytfloat@stored@caption{%
4676 \gdef\@biditytfloat@stored@label{%
4677 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
4678 }
4679 \newcommand{\@biditytfloat@float@textwidth}[3][0pt]{%
4680 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}
4681 % asymmetric or page is odd, so caption is on the right
4682 \hbox{%
4683 \usebox{#2}%
4684 \hspace{\marginparsep}%
4685 \smash{\raisebox{#1}{\usebox{#3}}}%
4686 }

```



```

4687 \@biditytfloat@float@debug{Caption position: [right]]}%
4688 }{% symmetric pages and page is even, so caption is on the left
4689 \hbox{%
4690 \smash{\raisebox{#1}{\usebox{#3}}}%
4691 \hspace{\marginparsep}%
4692 \usebox{#2}%
4693 }
4694 \@biditytfloat@float@debug{Caption position: [left]]}%
4695 }%
4696 }
4697 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
4698 \ifthenelse{equal{\floatalignment}{b}}{%
4699 \placecaptionabovefigure
4700 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@re
4701 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{
4702 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{
4703 }{% place caption below figure
4704 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@re
4705 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{
4706 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{
4707 }%
4708 }
4709 \renewenvironment{figure}[1][htbp]{%
4710 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4711 {\end{@biditytfloat@float}}
4712 \renewenvironment{table}[1][htbp]
4713 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4714 {\end{@biditytfloat@float}}
4715 \renewenvironment{figure*}[1][htbp]{%
4716 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4717 {\end{@biditytfloat@float}}
4718 \renewenvironment{table*}[1][htbp]{%
4719 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4720 {\end{@biditytfloat@float}}
4721 \newenvironment{fullwidth}
4722 {\ifthenelse{\boolean{@biditytfloat@symmetric}}}%
4723 {\ifthenelse{\boolean{@biditytfloat@change page}}{\begin{adjustwidth*}{-}\@biditytfloat@
4724 {\begin{adjustwidth}{-}\@biditytfloat@overhang}}}%
4725 }%
4726 {\ifthenelse{\boolean{@biditytfloat@symmetric}}}%
4727 {\ifthenelse{\boolean{@biditytfloat@change page}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4728 {\end{adjustwidth}}}%
4729 }
4730 \long\def\caption#1[#2]#3{%
4731 \par%
4732 \addcontentsline{\csname ext@#1\endcsname}{#1}%
4733 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4734 \begingroup%
4735 \@parboxrestore%
4736 \if@minipage%

```



```

4737 \setminipage%
4738 \fi%
4739 \@bidituftefloat@caption@font\@bidituftefloat@caption@justification%
4740 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4741 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4742 \endgroup}
4743 %%
4744 % Turns newlines into spaces. Based on code from the 'titlesec' package.
4745 \DeclareRobustCommand{\@biditufteheading@newlinetospace}{%
4746 \ifstar{\@biditufteheading@newlinetospace@i}{\@biditufteheading@newlinetospace@i}%
4747 }
4748 \def\@biditufteheading@newlinetospace@i{%
4749 \ifdim\lastskip>z@\else\space\fi
4750 \ignorespaces%
4751 }
4752 \DeclareRobustCommand{\newlinetospace}[1]{%
4753 \let\@biditufteheading@orig@cr\\% save the original meaning of \\
4754 \def\\{\@biditufteheading@newlinetospace}% turn \\ and \\* into \space
4755 \let\newline\\% turn \newline into \space
4756 #1%
4757 \let\\ \@biditufteheading@orig@cr% revert to original meaning of \\
4758 }
4759 \RequirePackage{fancyhdr}
4760 \pagestyle{fancy}
4761 \AtBeginDocument{%
4762 \ifthenelse{\boolean{@bidituftefloat@symmetric}}
4763 {\fancyhfoffset[LE,RO]{\@bidituftefloat@overhang}}
4764 {\fancyhfoffset[RE,RO]{\@bidituftefloat@overhang}}
4765 }
4766 % The running heads/feet don't have rules
4767 \renewcommand{\headrulewidth}{0pt}
4768 \renewcommand{\footrulewidth}{0pt}
4769 % The 'fancy' page style is the default style for all pages.
4770 \fancyhf{} % clear header and footer fields
4771 \ifthenelse{\boolean{@bidituftefloat@symmetric}}
4772 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4773 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4774 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4775 % The 'plain' page style is used on chapter opening pages.
4776 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4777 % bottom of pages -- the folios are unexpressed.
4778 \fancypagestyle{plain}{
4779 \fancyhf{} % clear header and footer fields
4780 % Uncomment the following five lines of code if you want the opening page
4781 % of the chapter to express the folio in the lower outside corner.
4782 % \ifthenelse{\boolean{@bidituftefloat@symmetric}}
4783 % {\fancyfoot[LE,RO]{\thepage}}
4784 % {\fancyfoot[RE,RO]{\thepage}}
4785 }
4786 % The 'empty' page style suppresses all headers and footers.

```



```

4787 % It's used on title pages and 'intentionally blank' pages.
4788 \fancypagestyle{empty}{
4789   \fancyhf{} % clear header and footer fields
4790 }
4791 \def\morefloats{% provides a total of 52 floats
4792   \ifthenelse{\isundefined{\bx@S}}{%
4793     \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
4794     \newinsert\bx@S
4795     \newinsert\bx@T
4796     \newinsert\bx@U
4797     \newinsert\bx@V
4798     \newinsert\bx@W
4799     \newinsert\bx@X
4800     \newinsert\bx@Y
4801     \newinsert\bx@Z
4802     \newinsert\bx@a
4803     \newinsert\bx@b
4804     \newinsert\bx@c
4805     \newinsert\bx@d
4806     \newinsert\bx@e
4807     \newinsert\bx@f
4808     \newinsert\bx@g
4809     \newinsert\bx@h
4810     \newinsert\bx@i
4811     \newinsert\bx@j
4812     \newinsert\bx@k
4813     \newinsert\bx@l
4814     \newinsert\bx@m
4815     \newinsert\bx@n
4816     \newinsert\bx@o
4817     \newinsert\bx@p
4818     \newinsert\bx@q
4819     \newinsert\bx@r
4820     \newinsert\bx@s
4821     \newinsert\bx@t
4822     \newinsert\bx@u
4823     \newinsert\bx@v
4824     \newinsert\bx@w
4825     \newinsert\bx@x
4826     \newinsert\bx@y
4827     \newinsert\bx@z
4828     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4829       \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4830       \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4831       \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4832       \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4833       \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4834       \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4835       \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4836       \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n

```



```

4837         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4838         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4839         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4840 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4841 \ifthenelse{isundefined{\bx@AA}}{%
4842     \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4843     \newinsert\bx@AA
4844     \newinsert\bx@BB
4845     \newinsert\bx@CC
4846     \newinsert\bx@DD
4847     \newinsert\bx@EE
4848     \newinsert\bx@FF
4849     \newinsert\bx@GG
4850     \newinsert\bx@HH
4851     \newinsert\bx@II
4852     \newinsert\bx@JJ
4853     \newinsert\bx@KK
4854     \newinsert\bx@LL
4855     \newinsert\bx@MM
4856     \newinsert\bx@NN
4857     \newinsert\bx@OO
4858     \newinsert\bx@PP
4859     \newinsert\bx@QQ
4860     \newinsert\bx@RR
4861     \newinsert\bx@SS
4862     \newinsert\bx@TT
4863     \newinsert\bx@UU
4864     \newinsert\bx@VV
4865     \newinsert\bx@WW
4866     \newinsert\bx@XX
4867     \newinsert\bx@YY
4868     \newinsert\bx@ZZ
4869 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4870     \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4871     \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4872     \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4873     \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4874     \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4875     \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4876     \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4877     \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4878     \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4879     \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4880     \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4881     \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4882     \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4883     \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4884     \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4885     \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4886     \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%

```



```

4887 }{%
4888     \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageB
4889         {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\
4890     }%
4891 }%
4892 }
4893 \newboolean{@biditytfloat@packages@subfigure}
4894 \setboolean{@biditytfloat@packages@subfigure}{false}
4895 \AtBeginDocument{%
4896     \@ifpackageloaded{subfigure}
4897     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
4898     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
4899 }
4900 \AtBeginDocument{%
4901     \@ifpackageloaded{float}{%
4902         % Save the redefined float environment (instead of the LaTeX float environment)
4903         \let\biditytfloat@orig@float\float
4904         \let\biditytfloat@orig@endfloat\endfloat
4905
4906         % Define Tufte float styles (with the caption in the margin)
4907         \newcommand{\floatc@biditytfloatplain}[2]{%
4908             \begin{lrbox}{\@biditytfloat@caption@box}%
4909             \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4910                 \biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4911             }\end{minipage}%
4912             \end{lrbox}%
4913             \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
4914     }
4915     \newcommand{\fs@biditytfloatplain}{%
4916         \def\@fs@cfont{\@biditytfloat@caption@font}%
4917         \let\@fs@capt\floatc@biditytfloatplain%
4918         \def\@fs@pre{%
4919             \def\@fs@post{%
4920                 \def\@fs@mid{%
4921                     \let\@fs@iftopcapt\iftrue%
4922                 }
4923                 \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4924                 \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4925                 \newcommand\floatc@biditytfloatruled[2]{%
4926                     {\@fs@cfont #1} #2\par%
4927                 }
4928                 \newcommand\fs@biditytfloatruled{%
4929                     \def\@fs@cfont{\@biditytfloat@caption@font}%
4930                     \let\@fs@capt\floatc@biditytfloatplain%
4931                     \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4932                     \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4933                     \def\@fs@mid{%
4934                         \let\@fs@iftopcapt\iftrue%
4935                     }
4936                     \newcommand\fs@biditytfloatboxed{%

```




```

4937 \def\@fs@cfont{}%
4938 \let\@fs@capt\floatc@biditytfloatplain%
4939 \def\@fs@pre{%
4940   \setbox\@currbox\ vbox{\hbadness10000
4941     \moveleft3.4pt\ vbox{\advance\hsize by6.8pt
4942       \hrule \hbox to\hsize{\vrule\kern3pt
4943         \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4944   }%
4945 \def\@fs@mid{\kern2pt}%
4946 \def\@fs@post{}%
4947 \let\@fs@iftopcapt\iftrue%
4948 }
4949 }{%
4950 % Nothing to do
4951 }
4952 }
4953 \AtBeginDocument{%
4954 \ifpackageloaded{algorithm}{%
4955 % Set the float style to the Tufte version
4956 \ifthenelse{\equal{\ALG@floatstyle}{plain}}{\OR\equal{\ALG@floatstyle}{ruled}}{\OR\equal{\ALG@floatstyle}{tufte}}{\ALG@floatstyle=tufte}
4957 \biditytfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak
4958 \floatstyle{biditytfloat\ALG@floatstyle}%
4959 \restylefloat{algorithm}%
4960 }{}}%
4961 }{%
4962 % Nothing to do
4963 }
4964 }
4965 \PassOptionsToPackage{caption=false}{subfig}

```

23 File biditytfloatsidenote.sty

```

4966 \NeedsTeXFormat{LaTeX2e}
4967 \ProvidesPackage{biditytfloatsidenote}[2017/08/09 v0.4
4968 bidi implementation of tufte sidenote]
4969 \RequirePackage{xifthen}
4970 \RequirePackage{ragged2e}
4971 \RequirePackage{setspace}
4972 \RequirePackage{biditytools}
4973 \def\biditytfloatsidenotemarginpar{%
4974   \ifhmode
4975     \@bsphack
4976     \@floatpenalty -\@Mii
4977   \else
4978     \@floatpenalty-\@Miii
4979   \fi
4980   \ifinner
4981     \@parmoderr
4982     \@floatpenalty\z@
4983   \else

```



```

4984 \@next\@currbox\@freelist{ }{}%
4985 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4986 {\@floatpenalty\z@
4987 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4988 \fi
4989 \@ifnextchar [\@bidityftesidenotexmpar\@bidityftesidenoteympar}
4990 \long\def\@bidityftesidenotexmpar[#1]#2{%
4991 \@bidityftesidenotesavemarbox\@marbox{#1}%
4992 \@bidityftesidenotesavemarbox\@currbox{#2}%
4993 \@xympar}
4994 \long\def\@bidityftesidenoteympar#1{%
4995 \@bidityftesidenotesavemarbox\@marbox{#1}%
4996 \global\setbox\@currbox\copy\@marbox
4997 \@xympar}
4998 \long\def \@bidityftesidenotesavemarbox #1#2{%
4999 \global\setbox #1%
5000 \color@vbox
5001 \vtop{%
5002 \hsize\marginparwidth
5003 \@parboxrestore
5004 \@bidityftesidenotemarginparreset
5005 #2%
5006 \@minipagefalse
5007 \outer@nobreak
5008 }%
5009 \color@endbox
5010 }
5011 \def \@bidityftesidenotemarginparreset {%
5012 \reset@font
5013 \normalsize
5014 \@minipagetrue
5015 \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
5016 }
5017 \def\LTRbidityftesidenotemarginpar{%
5018 \ifhmode
5019 \@bsphack
5020 \@floatpenalty -\@Mii
5021 \else
5022 \@floatpenalty-\@Miii
5023 \fi
5024 \ifinner
5025 \@parmoderr
5026 \@floatpenalty\z@
5027 \else
5028 \@next\@currbox\@freelist{ }{}%
5029 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5030 {\@floatpenalty\z@
5031 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
5032 \fi
5033 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}

```



```

5034 \long\def\LTRbidityftesidenotexmpar[#1]#2{%
5035   \LTRbidityftesidenotesavemarbox\@marbox{#1}%
5036   \LTRbidityftesidenotesavemarbox\@currbox{#2}%
5037   \@xympar}
5038 \long\def\LTRbidityftesidenoteympar#1{%
5039   \LTRbidityftesidenotesavemarbox\@marbox{#1}%
5040   \global\setbox\@currbox\copy\@marbox
5041   \@xympar}
5042 \long\def \LTRbidityftesidenotesavemarbox #1#2{%
5043   \global\setbox #1%
5044     \color@vbox
5045     \vtop{%
5046       \hsize\marginparwidth
5047       \@parboxrestore
5048       \LTRbidityftesidenotemarginparreset
5049       #2%
5050       \@minipagefalse
5051       \outer@nobreak
5052     }%
5053   \color@endbox
5054 }
5055 \def \LTRbidityftesidenotemarginparreset {%
5056   \reset@font
5057   \normalsize
5058   \@minipagetrue
5059   \everypar{\@minipagefalse\everypar{}\beginL}%
5060 }
5061 \def\RTLbidityftesidenotemarginpar{%
5062   \ifhmode
5063     \@bsphack
5064     \@floatpenalty -\@Mii
5065   \else
5066     \@floatpenalty-\@Miii
5067   \fi
5068   \ifinner
5069     \@parmoderr
5070     \@floatpenalty\z@
5071   \else
5072     \@next\@currbox\@freelist{}\}%
5073     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5074     {\@floatpenalty\z@
5075     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
5076   \fi
5077   \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
5078 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
5079   \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
5080   \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
5081   \@xympar}
5082 \long\def\@RTLbidityftesidenoteympar#1{%
5083   \@RTLbidityftesidenotesavemarbox\@marbox{#1}%

```



```

5084 \global\setbox\@currbox\copy\@marbox
5085 \@xympar}
5086 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
5087 \global\setbox #1%
5088 \color@vbox
5089 \vtop{%
5090 \hsize\marginparwidth
5091 \@parboxrestore
5092 \@RTLbidityftesidenotemarginparreset
5093 #2%
5094 \@minipagefalse
5095 \outer@nobreak
5096 }%
5097 \color@endbox
5098 }
5099 \def \@RTLbidityftesidenotemarginparreset {%
5100 \reset@font
5101 \normalsize
5102 \@minipagetrue
5103 \everypar{\@minipagefalse\everypar{}\beginR}%
5104 }
5105 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
5106 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
5107 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
5108 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
5109 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
5110 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
5111 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
5112 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
5113 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
5114 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
5115 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
5116 \newcommand*{\@bidityftesidenote@RTLcitation@font}{\@bidityftesidenote@RTLmarginfont}
5117 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
5118 \newcommand*{\setLTRsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
5119 \newcommand*{\setRTLSidenote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
5120 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
5121 \newcommand*{\setLTRmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
5122 \newcommand*{\setRTLmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
5123 \newcommand*{\setcitation@font}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
5124 \newcommand*{\setLTRcitation@font}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
5125 \newcommand*{\setRTLcitation@font}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
5126 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@autodetect}
5127 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@autodetect}
5128 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@autodetect}
5129 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
5130 \newcommand{\@bidityftesidenote@margin@par}{%
5131 \setlength{\RaggedRightParindent}{0.5pc}%
5132 \setlength{\JustifyingParindent}{0.5pc}%
5133 \setlength{\parindent}{0.5pc}%

```



```

5134 \setlength{\parskip}{0pt}%
5135 }
5136 %%
5137 % Globally sets the length
5138 \@ifundefined{gsetlength}{%
5139 \newcommand*{\gsetlength}[2]{%
5140 \setlength{#1}{#2}%
5141 \global#1=#1\relax%
5142 }%
5143 }{}
5144
5145 %%
5146 % A function that removes leading and trailing spaces from the supplied macro.
5147 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
5148 % Executing \@bidityftesidenote@trim@spaces\xyzy will result in the contents of \xyzy
5149 % being trimmed of leading and trailing white space.
5150 \catcode\Q=3
5151 \def\@bidityftesidenote@trim@spaces#1{%
5152 % Use grouping to emulate a multi-token afterassignment queue
5153 \begingroup%
5154 % Put \toks 0 {' into the afterassignment queue
5155 \aftergroup\toks\aftergroup0\aftergroup{%
5156 % Apply \trimb to the replacement text of #1, adding a leading
5157 % \noexpand to prevent brace stripping and to serve another purpose
5158 % later.
5159 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1\Q}%
5160 % Transfer the trimmed text back into #1.
5161 \edef#1{\the\toks0}%
5162 }
5163 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
5164 % clean up any leftover bizarre Qs, and trim a leading space. In
5165 % order for \trimc to work properly we need to put back a Q first.
5166 \def\@bidityftesidenote@trim@b#1\Q{\@bidityftesidenote@trim@c#1\Q}
5167 % Execute \vfuzz assignment to remove leading space; the \noexpand
5168 % will now prevent unwanted expansion of a macro or other expandable
5169 % token at the beginning of the trimmed text. The \endgroup will feed
5170 % in the \aftergroup tokens after the \vfuzz assignment is completed.
5171 \def\@bidityftesidenote@trim@c#1\Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
5172 \catcode\Q=11
5173 %%
5174 % Citations should go in the margin as sidenotes
5175
5176 \RequirePackage{natbib}
5177 \RequirePackage{bibentry} % allows bibitems to be typeset outside the bibliography environment
5178 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
5179 \renewcommand\BR@b@bibitem[2][{}]{%
5180 \ifthenelse{\isempty{#1}}{%
5181 \BR@bibitem{#2}}%
5182 {\BR@bibitem[#1]{#2}}%
5183 \BR@c@bibitem{#2}%

```



```

5184 }
5185 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
5186 %%
5187 % Normal \cite behavior
5188 \newcounter{@bidityftesidenote@num@bibkeys}%
5189 \newcommand{\@bidityftesidenote@normal@cite}[2][Opt]{%
5190 % Snag the last bibentry in the list for later comparison
5191 \let\@temp@last@bibkey\empty%
5192 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5193 \sidenote[] [#1]{%
5194 % Loop through all the bibentries, separating them with semicolons and spaces
5195 \normalsize\normalfont\@bidityftesidenote@citation@font%
5196 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5197 \@for\@temp@bibkeyx:=#2\do{%
5198 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5199 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5200 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5201 \bibentry{\@temp@bibkeyx}}%
5202 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5203 \bibentry{\@temp@bibkeyx};\ }%
5204 \stepcounter{@bidityftesidenote@num@bibkeys}%
5205 }%
5206 }%
5207 }
5208 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][Opt]{%
5209 % Snag the last bibentry in the list for later comparison
5210 \let\@temp@last@bibkey\empty%
5211 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5212 \LTRsidenote[] [#1]{%
5213 % Loop through all the bibentries, separating them with semicolons and spaces
5214 \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
5215 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5216 \@for\@temp@bibkeyx:=#2\do{%
5217 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5218 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5219 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5220 \bibentry{\@temp@bibkeyx}}%
5221 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5222 \bibentry{\@temp@bibkeyx};\ }%
5223 \stepcounter{@bidityftesidenote@num@bibkeys}%
5224 }%
5225 }%
5226 }
5227 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
5228 % Snag the last bibentry in the list for later comparison
5229 \let\@temp@last@bibkey\empty%
5230 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5231 \RTLsidenote[] [#1]{%
5232 % Loop through all the bibentries, separating them with semicolons and spaces
5233 \normalsize\normalfont\@bidityftesidenote@citation@font%

```



```

5234 \setcounter{@biditytesidenote@num@bibkeys}{0}%
5235 \@for\@temp@bibkeyx:=#2\do{%
5236   \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
5237     {\ifthenelse{\equal{\value{@biditytesidenote@num@bibkeys}}{0}}{\and\ }%
5238     \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5239     \bibentry{\@temp@bibkeyx}}%
5240     {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5241     \bibentry{\@temp@bibkeyx};\ }%
5242   \stepcounter{@biditytesidenote@num@bibkeys}%
5243 }%
5244 }%
5245 }
5246 %%
5247 % Macros for holding the list of cite keys until after the \sidenote
5248 \gdef\@biditytesidenote@citations{}% list of cite keys
5249 \newcommand\@biditytesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
5250 \ifx\@biditytesidenote@citations\empty\else
5251   \g@addto@macro\@biditytesidenote@citations{,% separate by commas
5252 \fi
5253 \g@addto@macro\@biditytesidenote@citations{#1}
5254 }
5255 \newcommand{\@biditytesidenote@print@citations}[1][0pt]{% puts the citations in a margin note
5256 % Snag the last bibentry in the list for later comparison
5257 \let\@temp@last@bibkey\empty%
5258 \@for\@temp@bibkey:=\@biditytesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
5259 \marginpar{%
5260   \hbox{\vspace*{#1}}%
5261   \@biditytesidenote@citation@font%
5262   \@biditytesidenote@citation@justification%
5263   \@biditytesidenote@margin@par% use parindent and parskip settings for marginal text
5264   \vspace*{-1\baselineskip}%
5265   % Loop through all the bibentries, separating them with semicolons and spaces
5266   \setcounter{@biditytesidenote@num@bibkeys}{0}%
5267   \@for\@temp@bibkeyx:=\@biditytesidenote@citations\do{%
5268     \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
5269       {\ifthenelse{\equal{\value{@biditytesidenote@num@bibkeys}}{0}}{\and\ }%
5270       \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5271       \bibentry{\@temp@bibkeyx}}%
5272       {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5273       \bibentry{\@temp@bibkeyx};\ }%
5274     \stepcounter{@biditytesidenote@num@bibkeys}%
5275   }%
5276 }%
5277 }
5278 %%
5279 % \cite behavior when executed within a sidenote
5280 \newcommand{\@biditytesidenote@sidenote@citations}{}% contains list of \cites in sidenote
5281 \newcommand{\@biditytesidenote@infootnote@cite}[1]{%
5282   \@biditytesidenote@add@citation{#1}
5283 }

```



```

5284%%
5285% Set the default \cite style. This is set and reset by the \sidenote command.
5286\let\cite@bidityftesidenote@normal@cite
5287\let\LTRcite@bidityftelTRsidenote@normal@cite
5288\let\RTLcite@bidityfteRTLsidenote@normal@cite
5289%%
5290% Transform existing \footnotes into \sidenotes
5291% Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
5292\RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
5293\providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
5294\renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
5295% Override footmisc's definition to set the sidenote marks (numbers) inside the
5296% sidenote's text block.
5297\bidipatch@AfterPackage{bidi}{\long\def\@makefnintext#1{\@textsuperscript{\@bidityftesidenote@sidenote@font#1}}
5298% Set the in-text footnote mark in the same typeface as the body text itself.
5299\bidipatch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidityftesidenote@sidenote@font#1}}}
5300\providecommand*\multiplefootnotemarker{\hspace{3sp}}
5301\providecommand*\multfootsep{\hspace{1em}}
5302\bidipatch@AfterPackage{bidi}{%
5303\renewcommand{\@footnotemark}{%
5304\leavevmode%
5305\ifhmode%
5306\edef\@xsf{\the\spacefactor}%
5307\@bidityftesidenote@check@multiple@sidenotes%
5308\nobreak%
5309\fi%
5310\@makefnmark%
5311\ifhmode\spacefactor\@xsf\fi%
5312\relax%
5313}%
5314}
5315\newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
5316\ifdim\lastkern=\multiplefootnotemarker\relax%
5317\edef\@xsf{\the\spacefactor}%
5318\unkern%
5319\textsuperscript{\multfootsep}%
5320\spacefactor\@xsf\relax%
5321\fi
5322}
5323\bidipatch@AfterPackage{bidi}{%
5324\renewcommand\@footnotetext[2][0pt]{%
5325\@bidityftesidenotemarginpar{%
5326\hbox{\vspace*{#1}}%
5327\def\baselinestretch{\setspace@singlespace}%
5328\reset@font%
5329\@bidityftesidenote@font% \reset@font\footnotesize%
5330\@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5331\vspace*{-1\baselineskip}\noindent%
5332\protected@edef\@currentlabel{%
5333\csname p@footnote\endcsname\@thefnmark%

```




```

5334 }%
5335 \color@begingroup%
5336 \makefnintext{%
5337 \ignorespaces#2%
5338 }%
5339 \color@endgroup%
5340 }%
5341 }%
5342 \renewcommand\@LTRfootnotetext[2][0pt]{%
5343 \LTRbidituftesidenotemarginpar{%
5344 \hbox{}\vspace*{#1}%
5345 \def\baselinestretch {\setspace@singlespace}%
5346 \reset@font%
5347 \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
5348 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
5349 \vspace*{-1\baselineskip}\noindent%
5350 \protected@edef\@currentlabel{%
5351 \csname p@footnote\endcsname\@thefnmark%
5352 }%
5353 \color@begingroup%
5354 \makefnintext{%
5355 \ignorespaces#2%
5356 }%
5357 \color@endgroup%
5358 }%
5359 }%
5360 \renewcommand\@RTLfootnotetext[2][0pt]{%
5361 \RTLbidituftesidenotemarginpar{%
5362 \hbox{}\vspace*{#1}%
5363 \def\baselinestretch {\setspace@singlespace}%
5364 \reset@font%
5365 \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5366 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
5367 \vspace*{-1\baselineskip}\noindent%
5368 \protected@edef\@currentlabel{%
5369 \csname p@footnote\endcsname\@thefnmark%
5370 }%
5371 \color@begingroup%
5372 \makefnintext{%
5373 \ignorespaces#2%
5374 }%
5375 \color@endgroup%
5376 }%
5377 }%
5378 }
5379 %
5380 % Define \sidenote command. Can handle \cite.
5381 \newlength{\@bidiuftesidenote@sidenote@vertical@offset}
5382 \setlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}
5383 % #1 = footnote num, #2 = vertical offset, #3 = footnote text

```



```

5384 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
5385   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5386   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5387   \ifthenelse{\NOT\isempty{#2}}{%
5388     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5389   }{%
5390     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5391   }%
5392   \ifthenelse{\isempty{#1}}{%
5393     % no specific footnote number provided
5394     \stepcounter\@mpfn%
5395     \protected@xdef\@thefnmark{\thempfn}%
5396     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5397   }{%
5398     % specific footnote number provided
5399     \begingroup%
5400       \csname c@\@mpfn\endcsname #1\relax%
5401       \unrestored@protected@xdef\@thefnmark{\thempfn}%
5402     \endgroup%
5403     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5404   }%
5405   \@bidityftesidenote@print@citations%             print any citations
5406   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
5407   \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTRcite
5408   \let\RTLcite\@bidityfteRTLSidenote@normal@cite%  go back to using normal in-text \RTLcite
5409   \unskip\ignorespaces%                             remove extra white space
5410   \kern-\multiplefootnotemarker%                    remove \kern left behind by sidenote
5411   \kern\multiplefootnotemarker\relax%               add new \kern here to replace the one we yanked
5412 }
5413 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
5414   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5415   \gdef\@bidityftesidenote@citations{}%           clear out any old citations
5416   \ifthenelse{\NOT\isempty{#2}}{%
5417     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5418   }{%
5419     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5420   }%
5421   \ifthenelse{\isempty{#1}}{%
5422     % no specific footnote number provided
5423     \stepcounter\@mpfn%
5424     \protected@xdef\@thefnmark{\thempfn}%
5425     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5426   }{%
5427     % specific footnote number provided
5428     \begingroup%
5429       \csname c@\@mpfn\endcsname #1\relax%
5430       \unrestored@protected@xdef\@thefnmark{\thempfn}%
5431     \endgroup%
5432     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5433   }%

```



```

5434 \@bidityftesidenote@print@citations%          print any citations
5435 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comman
5436 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
5437 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLc
5438 \unskip\ignorespaces%                          remove extra white space
5439 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
5440 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5441 }
5442 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
5443 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5444 \gdef\@bidityftesidenote@citations{}%         clear out any old citations
5445 \ifthenelse{NOT\isempty{#2}}{%
5446 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5447 }{%
5448 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5449 }%
5450 \ifthenelse{\isempty{#1}}{%
5451 % no specific footnote number provided
5452 \stepcounter\@mpfn%
5453 \protected@xdef\@thefnmark{\thempfn}%
5454 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5455 }{%
5456 % specific footnote number provided
5457 \begingroup%
5458 \csname c@\@mpfn\endcsname #1\relax%
5459 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5460 \endgroup%
5461 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5462 }%
5463 \@bidityftesidenote@print@citations%          print any citations
5464 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comman
5465 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
5466 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLc
5467 \unskip\ignorespaces%                          remove extra white space
5468 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
5469 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5470 }
5471 \newcommand{\sidenote}{\@bidityftesidenote@sidenote}{}[Opt]}
5472 \newcommand{\LTRsidenote}{\@bidityfteLTRsidenote@sidenote}{}[Opt]}
5473 \newcommand{\RTLSidenote}{\@bidityfteRTLSidenote@sidenote}{}[Opt]}
5474 \bidi@patch@AfterPackage{bidi}{%
5475 \renewcommand{\footnote}{\@bidityftesidenote@sidenote}{}[Opt]}%
5476 \renewcommand{\LTRfootnote}{\@bidityfteLTRsidenote@sidenote}{}[Opt]}%
5477 \renewcommand{\RTLfootnote}{\@bidityfteRTLSidenote@sidenote}{}[Opt]}%
5478 }
5479 %%
5480 % Sidenote without the footnote mark
5481 \newcommand\marginnote[2][Opt]{%
5482 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5483 \gdef\@bidityftesidenote@citations{}%         clear out any old citations

```



```

5484 \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
5485 \@bidityftesidenote@print@citations%          print any citations
5486 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comman
5487 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
5488 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLc
5489 }
5490 \newcommand\LTRmarginnote[2][Opt]{%
5491   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5492   \gdef\@bidityftesidenote@citations{}%        clear out any old citations
5493   \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@b
5494   \@bidityftesidenote@print@citations%          print any citations
5495   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comman
5496   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
5497   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLc
5498 }
5499 \newcommand\RTLmarginnote[2][Opt]{%
5500   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5501   \gdef\@bidityftesidenote@citations{}%        clear out any old citations
5502   \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@b
5503   \@bidityftesidenote@print@citations%          print any citations
5504   \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comman
5505   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
5506   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLc
5507 }

```

24 File bidityftetoc.sty

```

5508 \NeedsTeXFormat{LaTeX2e}
5509 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
5510 bidi implementation of tufte toc]
5511 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5512 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
5513 \newcommand{\@bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
5514 %%
5515 % Turn off section numbering
5516 \setcounter{secnumdepth}{-1}
5517 \newboolean{\@bidityftetoc@toc}
5518 \setboolean{\@bidityftetoc@toc}{true}
5519 \DeclareOption{notoc}{\setboolean{\@bidityftetoc@toc}{false}}
5520 \DeclareOption{toc}{\setboolean{\@bidityftetoc@toc}{true}}
5521 \ProcessOptions
5522 %%
5523 % Make Tuftian-style section headings and TOC formatting
5524 \bidityft@patch@AfterPackage{bidi}{%
5525   \titleformat{\chapter}{%
5526     [display]% shape
5527     {\relax\ifthenelse{\NOT\boolean{\@bidityftfloat@symmetric}}{\begin{fullwidth}}{}}% format ap
5528     {\itshape\huge\thechapter}% label
5529     [Opt]% horizontal separation between label and title body
5530     {\huge\rmfamily\itshape}% before the title body

```



```

5531 [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}]% after the title
5532 \titleformat{\section}%
5533   [hang]% shape
5534   {\normalfont\Large\itshape}% format applied to label+text
5535   {\thesection}% label
5536   {1em}% horizontal separation between label and title body
5537   {}% before the title body
5538   []% after the title body
5539 \titleformat{\subsection}%
5540   [hang]% shape
5541   {\normalfont\large\itshape}% format applied to label+text
5542   {\thesubsection}% label
5543   {1em}% horizontal separation between label and title body
5544   {}% before the title body
5545   []% after the title body
5546 \titleformat{\paragraph}%
5547   [runin]% shape
5548   {\normalfont\itshape}% format applied to label+text
5549   {\theparagraph}% label
5550   {1em}% horizontal separation between label and title body
5551   {}% before the title body
5552   []% after the title body
5553 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5554 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5555 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
5556 }
5557 % Subsubsection and following section headings shouldn't be used.
5558 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
5559 \renewcommand\subsubsection{%
5560   \biditytError{\noexpand\subsubsection is undefined by this class.%
5561     \MessageBreak See Robert Bringhurst's _The Elements of
5562     \MessageBreak Typographic Style_, section 4.2.2.
5563     \MessageBreak \noexpand\subsubsection was used}
5564   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5565     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5566     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytError.com/.}
5567 }
5568 \renewcommand\subparagraph{%
5569   \biditytError{\noexpand\subparagraph is undefined by this class.%
5570     \MessageBreak See Robert Bringhurst's _The Elements of
5571     \MessageBreak Typographic Style_, section 4.2.2.
5572     \MessageBreak \noexpand\subparagraph was used}
5573   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5574     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5575     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytError.com/.}
5576 }
5577 % Formatting for main TOC (printed in front matter)
5578 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5579 \ifthenelse{\boolean{@biditytError@toc}}{%
5580   \biditytPatch@AfterPackage{bidity}{%

```



```

5581 \titlecontents{part}% FIXME
5582 [0em] % distance from left margin
5583 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5584 {\contentslabel{2em}} % before w/label (label = ``II'')
5585 {} % before w/o label
5586 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5587 [\end{fullwidth}] % after
5588 \titlecontents{chapter}%
5589 [0em] % distance from left margin
5590 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5591 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5592 {\hspace*{0em}} % before w/o label
5593 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5594 [\end{fullwidth}] % after
5595 \titlecontents{section}% FIXME
5596 [0em] % distance from left margin
5597 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
5598 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5599 {\hspace*{2em}} % before w/o label
5600 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5601 [\end{fullwidth}] % after
5602 \titlecontents{subsection}% FIXME
5603 [0em] % distance from left margin
5604 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
5605 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5606 {\hspace*{4em}} % before w/o label
5607 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5608 [\end{fullwidth}] % after
5609 \titlecontents{paragraph}% FIXME
5610 [0em] % distance from left margin
5611 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global for
5612 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5613 {\hspace*{6em}} % before w/o label
5614 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5615 [\end{fullwidth}] % after
5616 }%
5617 }{}
5618 %%
5619 % Format lists of figures/tables
5620 \renewcommand\listoffigures{%
5621 \ifundefined{chapter}%
5622 {\section*{\listfigurename}}%
5623 {\chapter*{\listfigurename}}%
5624 % \begin{fullwidth}%
5625 % \@starttoc{lof}%
5626 % \end{fullwidth}%
5627 }
5628 \renewcommand\listoftables{%
5629 \ifundefined{chapter}%
5630 {\section*{\listtablename}}%

```



```

5631     {\chapter*{\listtablename}}%
5632 % \begin{fullwidth}%
5633     \@starttoc{lot}%
5634 % \end{fullwidth}%
5635 }
5636 \newcommand{\@bidityfttoc@lof@line}[2]{%
5637 % #1 is the figure/table number and its caption text
5638 % #2 is the page number on which the figure/table appears
5639 \leftskip 0.0em
5640 \rightskip 0em
5641 \parfillskip 0em plus 1fil
5642 \parindent 0.0em
5643 \@afterindenttrue
5644 \interlinepenalty\@M
5645 \leavevmode
5646 \@tempdima 2.0em
5647 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5648 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5649 {#1}\nobreak\quad\nobreak#2%
5650 \par%
5651 }
5652 \renewcommand*{\l@figure{\@bidityfttoc@lof@line}
5653 \let\l@table\l@figure

```

25 File bidityftgeneralstructure.sty

```

5654 \NeedsTeXFormat{LaTeX2e}
5655 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5656 bidi implementation of tufte general structure]
5657 \renewcommand\small{%
5658   \@setfontsize\small\@ixpt{12}%
5659   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5660   \abovedisplayshortskip \z@ \@plus2\p@
5661   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5662   \def\@listi{\leftmargin\leftmargini
5663     \topsep 4\p@ \@plus2\p@ \@minus2\p@
5664     \parsep 2\p@ \@plus\p@ \@minus\p@
5665     \itemsep \parsep}%
5666   \belowdisplayskip \abovedisplayskip
5667 }
5668 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5669 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5670 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5671 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5672 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5673 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5674 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5675 \setlength\leftmargini {1pc}
5676 \setlength\leftmarginii {1pc}
5677 \setlength\leftmarginiii {1pc}

```



```

5678 \setlength\leftmarginiv {1pc}
5679 \setlength\leftmarginv {1pc}
5680 \setlength\leftmarginvi {1pc}
5681 \setlength\labelsep {.5pc}
5682 \setlength\labelwidth {\leftmargini}
5683 \addtolength\labelwidth{-\labelsep}
5684 \setlength{\parindent}{1.0pc}%
5685 \setlength{\parskip}{0pt}%
5686 \RequirePackage{ragged2e}
5687 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5688 % Paragraph indentation and separation for normal text
5689 \newcommand{\@biditytgeneralstructure@reset@par}{%
5690 \setlength{\RaggedRightParindent}{1.0pc}%
5691 \setlength{\JustifyingParindent}{1.0pc}%
5692 \setlength{\parindent}{1pc}%
5693 \setlength{\parskip}{0pt}%
5694 }
5695 \@biditytgeneralstructure@reset@par
5696 % Require paralist package for tighter lists
5697 \RequirePackage{paralist}
5698 % Add rightmargin to compactenum
5699 \def\@compactenum{%
5700 \expandafter\list\csname label\@enumctr\endcsname{%
5701 \usecounter{\@enumctr}%
5702 \rightmargin=2em% added this
5703 \parsep\plparsep
5704 \itemsep\plitemsep
5705 \topsep\pltopsep
5706 \partopsep\plpartopsep
5707 \def\makelabel##1{\hss\llap{##1}}}}
5708 %%
5709 % An environment for paragraph-style section
5710 \providecommand\newthought[1]{%
5711 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5712 \noindent\textbf{#1}%
5713 }
5714 %%
5715 % Redefine the display environments (quote, quotation, etc.)
5716 \renewenvironment{verse}
5717 {\let\\\@centercr
5718 \list{}\itemsep \z@
5719 \itemindent -1pc%
5720 \listparindent\itemindent
5721 \rightmargin \leftmargin
5722 \advance\leftmargin 1pc}%
5723 \small%
5724 \item\relax}
5725 {\endlist}
5726 \renewenvironment{quotation}
5727 {\list{}\listparindent 1pc%

```




```

5728             \itemindent      \listparindent
5729             \rightmargin      \leftmargin
5730             \parsep           \z@ \@plus\p@}%
5731             \small%
5732             \item\relax\noindent\ignorespaces}
5733         {\endlist}
5734 \renewenvironment{quote}
5735         {\list{}{\rightmargin\leftmargin}%
5736         \small%
5737         \item\relax}
5738         {\endlist}
5739 % Italicize description run-in headings (instead of the default bold)
5740 \renewcommand*{\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5741 %%
5742 % Redefine \bibsection to not mark the running heads.
5743 % (Code modified from natbib.sty.)
5744 \@ifundefined{chapter}%
5745   {\renewcommand\bibsection{\section*{\refname}}}
5746   {\@ifundefined{NAT@sectionbib}%
5747     {\renewcommand\bibsection{\chapter{\bibname}}}
5748     {\renewcommand\bibsection{\section*{\bibname}}}}
5749 \RequirePackage{multicol}
5750 \renewenvironment{theindex}{%
5751   \@ifundefined{chapter}%
5752     {\section*{\indexname}}%
5753     {\chapter{\indexname}}%
5754   \begin{fullwidth}%
5755   \small%
5756   \parskip0pt%
5757   \parindent0pt%
5758   \let\item\@idxitem%
5759   \begin{multicols}{3}%
5760 }{%
5761   \end{multicols}%
5762   \end{fullwidth}%
5763 }
5764 \AtBeginDocument{%
5765 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5766 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5767 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5768 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5769 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

26 File `bidituftehyperref.sty`

```

5770 \NeedsTeXFormat{LaTeX2e}
5771 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5772 bidi implementation of tufte hyperref]
5773 %%
5774 % Color

```



```

5775 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5776 \newboolean{@bidituftehyperref@loadhyper}
5777 \setboolean{@bidituftehyperref@loadhyper}{true}
5778 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
5779 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
5780 \ProcessOptions
5781 %% Loads the hyperref package and sets some default options.
5782 \newcommand{\bidituftehyperrefLoadHyperref}{%
5783 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5784 \hypersetup{%
5785     bookmarksdepth = section,
5786     citecolor = DarkGreen,
5787     linkcolor = DarkBlue,
5788     pagecolor = DarkBlue,
5789     urlcolor = DarkGreen,
5790 }%
5791 }
5792 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
5793 \bidituftehyperrefLoadHyperref%
5794 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5795 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5796 }

```

27 File bidituftetitle.sty

```

5797 \NeedsTeXFormat{LaTeX2e}
5798 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
5799 bidi implementation of tufte title]
5800 \RequirePackage{biditools}
5801 %%
5802 % `titlepage' option -- creates a full title page with \maketitle
5803 \newboolean{@bidituftetitle@titlepage}
5804 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
5805 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
5806 % Default `book' and `handout' options
5807 \@ifclassloaded{book}{%
5808 \ExecuteOptions{titlepage}}{%
5809 \@ifclassloaded{article}{%
5810 \ExecuteOptions{notitlepage}}%
5811 {}}
5812 \ProcessOptions
5813 %%
5814 % Modified \title, \author, and \date commands. These store the
5815 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5816 \newcommand{\plaintitle}{}% plain-text-only title
5817 \newcommand{\plainauthor}{}% plain-text-only author
5818 \newcommand{\plainpublisher}{}% plain-text-only publisher
5819 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5820 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5821 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}

```



```

5822 \newcommand{\@publisher}{}% full publisher with \thanks{
5823 \newcommand{\thedata}{\today}
5824 \bidi@patch@AfterPackage{bidi}{%
5825 \renewcommand{\thanks}[1]{\footnote{#1}}
5826 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5827 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5828 }
5829 \renewcommand{\title}[2][]{%
5830 \gdef\@title{#2}%
5831 \begingroup%
5832 % TODO store contents of \thanks command
5833 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5834 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5835 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5836 \protected@xdef\thanklesstitle{#2}%
5837 \endgroup%
5838 \ifthenelse{\isempty{#1}}%
5839 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5840 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5841 \@ifundefined{hypersetup}%
5842 {}% hyperref is not loaded; do nothing
5843 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5844 }
5845 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5846 \renewcommand{\author}[2][]{%
5847 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
5848 \begingroup%
5849 % TODO store contents of \thanks command
5850 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5851 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5852 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5853 \protected@xdef\thanklessauthor{#2}%
5854 \endgroup%
5855 \ifthenelse{\isempty{#1}}%
5856 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5857 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5858 \@ifundefined{hypersetup}%
5859 {}% hyperref is not loaded; do nothing
5860 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5861 }
5862 \renewcommand{\date}[1]{%
5863 \gdef\@date{#1}%
5864 \begingroup%
5865 % TODO store contents of \thanks command
5866 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5867 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5868 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5869 \protected@xdef\thedata{#1}%
5870 \endgroup%
5871 }

```



```

5872 %%
5873 % Provides a \publisher command to set the publisher
5874 \newcommand{\publisher}[2][]{%
5875   \gdef\@publisher{#2}%
5876   \begingroup%
5877     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5878     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5879     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5880     \protected@xdef\thanklesspublisher{#2}%
5881   \endgroup%
5882   \ifthenelse{\isempty{#1}}{
5883     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5884     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5885 }
5886 %%
5887 % Produces a full title page
5888 \newcommand{\maketitlepage}[0]{%
5889   \cleardoublepage%
5890   {%
5891     \bfseries%
5892     \begin{fullwidth}%
5893       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5894       \vspace{11.5pc}%
5895       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5896       \vfill%
5897       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5898     \end{fullwidth}%
5899   }
5900   \thispagestyle{empty}%
5901   \clearpage%
5902 }
5903 %%
5904 % Title block
5905 \bidi@AfterEndPreamble{%
5906 \renewcommand{\maketitle}{%
5907   \newpage%
5908   \global\@topnum\z@% prevent floats from being placed at the top of the page
5909   \begingroup%
5910     \setlength{\parindent}{0pt}%
5911     \setlength{\parskip}{4pt}%
5912     \let\@title\@empty%
5913     \let\@author\@empty%
5914     \let\@date\@empty%
5915     \gdef\@title{\LARGE\itshape\@title\par}%
5916     \gdef\@author{\Large\itshape\@author\par}%
5917     \gdef\@date{\Large\itshape\@date\par}%
5918     \@title%
5919     \@author%
5920     \@date%
5921   \endgroup%

```



```

5922 \thispagestyle{plain}% suppress the running head
5923 }%
5924 }
5925 %%
5926 % Title page (if the `titlepage' option was passed to the bidentitetitle-handout
5927 % class.)
5928 \bidi@AfterEndPreamble{%
5929 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
5930 {\renewcommand{\maketitle}{\maketitlepage}}
5931 {}
5932 }
5933 %%
5934 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5935 % without headers and footers
5936 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5937 \hbox{}
5938 %\vspace*{\fill}
5939 %\begin{center}
5940 % This page intentionally contains only this sentence.
5941 %\end{center}
5942 %\vspace{\fill}
5943 \thispagestyle{empty}
5944 \newpage
5945 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

28 File bidentufte-handout.cls

```

5946 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5947 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
5948 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5949 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5950 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5951 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5952 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5953 \ProcessOptions\relax
5954 \LoadClass{article}
5955 \RequirePackage{bidentuftefloat}
5956 \RequirePackage{bidentuftesidenote}
5957 \RequirePackage{bidentuftetoc}
5958 \RequirePackage{bidentuftegeneralstructure}
5959 \RequirePackage{bidentuftehyperref}
5960 \RequirePackage{bidentuftetitle}
5961 \renewenvironment{abstract}
5962 {\begin{quotation}}
5963 {\end{quotation}}
5964 \AtBeginDocument{%
5965 \IfFileExists{bidentufte-handout.cfg}
5966 {\input{bidentufte-handout.cfg}}
5967 \ClassInfo{bidentufte-handout}{Loading bidentufte-handout configuration file \@gobble}}
5968 {}%

```



5969 }

29 File bidentufte-book.cls

```
5970 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5971 \ProvidesClass{bidentufte-book}[2011/06/18 v0.1 bidentufte-book class]
5972 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5973 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5974 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5975 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5976 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5977 \ProcessOptions\relax
5978 \LoadClass{book}
5979 \RequirePackage{bidentuftefloat}
5980 \RequirePackage{bidentuftesidenote}
5981 \RequirePackage{bidentuftetoc}
5982 \RequirePackage{bidentuftegeneralstructure}
5983 \RequirePackage{bidentuftehyperref}
5984 \RequirePackage{bidentuftetitle}
5985 %%
5986 % Set up any book-specific stuff now
5987 %%
5988 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5989 % to the opening page of Chapter 1. The running heads, when they appear,
5990 % contain only the (arabic) page number in the outside corner.
5991 \newif\if@mainmatter \mainmattertrue
5992 \renewcommand\frontmatter{%
5993   \cleardoublepage%
5994   \@mainmatterfalse%
5995   \pagenumbering{arabic}%
5996   %\pagestyle{plain}%
5997   \fancyhf{}%
5998   \ifthenelse{\boolean{@bidentuftefloat@twoside}}{%
5999     {\fancyhead[LE,RO]{\thepage}}%
6000     {\fancyhead[RE,RO]{\thepage}}%
6001 }
6002 %%
6003 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
6004 % numbering---it continues where it left off in the front matter.
6005 \renewcommand\mainmatter{%
6006   \cleardoublepage%
6007   \@mainmattertrue%
6008   \fancyhf{}%
6009   \ifthenelse{\boolean{@bidentuftefloat@twoside}}{%
6010     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
6011     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
6012     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
6013     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
6014 }
6015 %%
```



```

6016% The back matter contains appendices, indices, glossaries, endnotes,
6017% bibliographies, list of contributors, illustration credits, etc.
6018\renewcommand\backmatter{%
6019  \if@openright%
6020    \cleardoublepage%
6021  \else%
6022    \clearpage%
6023  \fi%
6024  \@mainmatterfalse%
6025}
6026%%
6027% Only show the chapter titles in the table of contents
6028\setcounter{tocdepth}{0}
6029\AtBeginDocument{%
6030\IfFileExists{biditufte-book.cfg}
6031  {\input{biditufte-book.cfg}
6032   \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
6033  {}%
6034}

```

30 File bidipoem.sty

```

6035\NeedsTeXFormat{LaTeX2e}
6036\ProvidesPackage{bidipoem}%
6037[2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
6038
6039% Usage:
6040%
6041% \Setversedim #1#2 % define the layout (within a group):
6042% #1 = length of both half-verses
6043% #2 = separation distance = length of a connection, if present
6044% Variant:
6045% \Setversedim #1[#2]#3 % for half-verses of unequal length
6046% #1 = length of first (=right) half-verse
6047% #2 = length of second (=left) half-verse
6048% #3 = separation distance = length of a connection, if present
6049%
6050% \traditionalhalfverses #1#2 % typeset two separated half-verses
6051% #1 = text of first (=right) half-verse
6052% #2 = text of second (=left) half-verse
6053% Variant:
6054% \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
6055% #1 = text of first (=right) half-verse
6056% #2 = text of connection
6057% #3 = text of second (=left) half-verse
6058%
6059% Alternative (if preferred):
6060%
6061% \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
6062

```



```

6063
6064 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
6065
6066 % define the layout, verses will be centered
6067
6068 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
6069 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
6070
6071 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
6072 \bidipoem@hvind \textwidth
6073 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
6074 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
6075 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
6076
6077 \def \bidipoem@set@verseI [#1]{% optional parameter
6078 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
6079
6080 \newcommand*{\bidipoem@set@@verse}[1]{% separation
6081 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
6082 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
6083
6084 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
6085 \ifdim Opt > \bidipoem@hvind %
6086 \bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
6087 \else
6088 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
6089 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
6090 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
6091 \par }
6092
6093 % macro for two half verses
6094 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
6095 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}}}%
6096 \else\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
6097 \bidipoem@half@verses@next}
6098
6099 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
6100 \traditionalconnverses {#1}{#2}{#3}}
6101
6102
6103 {\catcode\^^M=\active % these lines must end with %
6104 \gdef\traditionalpoem@obeylines{\catcode\^^M\active \let^^M\traditionalpoem@par}%
6105 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
6106 {\catcode\^^M=\active % these lines must end with %
6107 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
6108 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
6109 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
6110 \def\poemmarginskip{1em plus 1fil minus 1em}
6111 \def\poemextrabaselineskip{0\baselineskip}
6112 \def\poemskip{\medskip}

```




```

6113 \newcommand{\bidipoem@openbox}{\leavevmode
6114   \hbox to.77778em{%
6115     \hfil\vrule
6116     \vbox to.675em{\hrule width.6em\vfil\hrule}%
6117     \vrule\hfil}}
6118 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
6119 \newdimen\versewidth
6120 \newtoks\bidipoem@p@ftn
6121 \def\poem@verse#1{%
6122   \ifdim\wd#1>\new@poem@width
6123     \xdef\new@poem@width{\the\wd#1}%
6124     \ifdim\new@poem@width>\poem@width
6125       \xdef\poem@width{\new@poem@width}%
6126     \global\let\poem@needrun\relax
6127   \fi
6128   \fi
6129   \hbox to\poem@width{\unhbox#1}%
6130   \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
6131 }
6132 \def\poem@linebegin{\vadjust{}}\hskip\@flushglue\hskip\poemmargin\skip\relax}
6133 \def\poem@lineend{\nobreak\hskip\poemmargin\skip\hskip\@flushglue\vadjust{}}
6134 \def\poem@lineversesep{%
6135   \nobreak
6136   \hskip\z@ plus 1filll%
6137   \penalty600%
6138   \hskip\poemcolsepskip
6139   \hskip\z@ plus -2filll%
6140   \vadjust{}}%
6141   \nobreak
6142   \hskip\z@ plus 1filll%
6143 }
6144 \def\poem@lineparsebegin{%
6145   \halign\bgroup
6146   \global\setbox\verse@i=\hbox{%
6147     \let\@footnotetext\bidipoem@p@ftntext%
6148     \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6149     \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6150     \let\@xfootnotenext\bidipoem@p@xftntext%
6151     \let\@xfootnote\bidipoem@p@xfootnote%
6152     \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6153     \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6154     \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6155     \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6156     \ignorespaces##\unskip}&&
6157   \global\setbox\verse@ii=\hbox{%
6158     \let\@footnotetext\bidipoem@p@ftntext%
6159     \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6160     \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6161     \let\@xfootnotenext\bidipoem@p@xftntext%
6162     \let\@xfootnote\bidipoem@p@xfootnote%

```



```

6163 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6164 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6165 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6166 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6167 \ignorespaces##\unskip}
6168 \cr
6169 }
6170 \def\poem@lineparseend{%
6171 \crr\egroup
6172 \vskip-\baselineskip
6173 }
6174 \def\traditionalpoem@cr{%
6175   \cr\poem@line
6176 }
6177 \newbox\verse@i
6178 \newbox\verse@ii
6179 \newif\ifpoem@started
6180
6181 \def\poem@line{%
6182   \poem@lineparseend
6183   \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
6184   \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
6185   \ifpoem@started
6186     \ifdim\wd\verse@ii>\z@\else
6187       \nopagebreak[3]
6188       \fi
6189     \leavevmode
6190     \poem@linebegin
6191     \poem@verse\verse@i
6192     \ifdim\wd\verse@ii>\z@
6193       \poem@lineversesep
6194       \poem@verse\verse@ii
6195     \fi
6196     \poem@lineend
6197   % \nopagebreak
6198   \par
6199   \vskip\poemextrabaseskip
6200 \fi
6201 \poem@lineparsebegin
6202 }
6203 \def\@traditionalpoem{%
6204   \stepcounter{poem@no}
6205   \ifnum\max@poem@no<\number\c@poem@no%
6206     \xdef\poem@width{\z@}%
6207   \else
6208     \xdef\poem@width{\poem@prop{poem@width}}%
6209   \fi
6210   \xdef\new@poem@width{\z@}%
6211   \global\versewidth=\poem@width
6212   \poemskip\par

```



```

6213 \begingroup
6214 \tabskip=\z@
6215 \parskip=\z@
6216 \parindent=\z@
6217 \parfillskip=\z@
6218 \rightskip=\z@
6219 \leftskip=\z@
6220 \widowpenalty=10000% No break between verses of the same line.
6221 \clubpenalty=10000% Same as above. Not really needed.
6222 \def\newblock{\hfil\poemblocksep\hfil\null}%
6223 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
6224 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
6225 \global\poem@startedfalse
6226 \csname poem@obeylines\endcsname
6227 \let\poem@obeylines\relax
6228 \poem@lineparsebegin
6229 }
6230 \def\@endtraditionalpoem{%
6231 \cr
6232 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
6233 \noalign{%
6234 \skip0=\poemextrabaselineskip
6235 \vskip-\skip0
6236 \vskip-\baselineskip
6237 }%
6238 \fi\fi
6239 \poem@lineparseend
6240 \endgroup
6241 \par
6242 \vskip\baselineskip
6243 \poemskip
6244 \if@nparlist \else
6245 \ifdim\lastskip >\z@
6246 \@tempskipa\lastskip \vskip -\lastskip
6247 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6248 \vskip\@tempskipa
6249 \fi
6250 \@endparenv
6251 \fi
6252 \ifdim\new@poem@width<\poem@width
6253 \global\let\poem@needrun\relax
6254 \fi
6255 \poem@write@aux{\poem@width@\romannumeral\c@poem@no}{\new@poem@width}%
6256 \ifx\AtEndDocument\undefined\poem@finish\fi
6257 }
6258
6259
6260 \long\def\bidipoem@p@ftntext#1{%
6261 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
6262 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%

```



```

6263 \long\def\bidipoem@p@LTRftntext#1{%
6264   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}%
6265   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6266 \long\def\bidipoem@p@RTLftntext#1{%
6267   \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}%
6268   \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
6269
6270 \long\def\bidipoem@p@xftntext[#1]#2{%
6271   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
6272
6273 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
6274   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
6275
6276 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
6277   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
6278
6279 \def\bidipoem@p@xfootnote[#1]{%
6280   \begingroup
6281     \csname c@\mpfn\endcsname #1\relax
6282     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6283   \endgroup
6284   \@footnotemark\bidipoem@p@xftntext[#1]}
6285
6286 \def\bidipoem@p@xLTRfootnote[#1]{%
6287   \begingroup
6288     \csname c@\mpfn\endcsname #1\relax
6289     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6290   \endgroup
6291   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
6292
6293 \def\bidipoem@p@xRTLfootnote[#1]{%
6294   \begingroup
6295     \csname c@\mpfn\endcsname #1\relax
6296     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6297   \endgroup
6298   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
6299
6300
6301
6302 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
6303 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl}
6304 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
6305 \def\poem@finish{%
6306   \poem@write@aux{max@poem@no}{\number\c@poem@no}%
6307   \ifx\poem@needrun\relax
6308     \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
6309   \global\let\poem@needrun\undefined
6310 \fi
6311 }
6312 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi

```



```

6313 \newcounter{poem@no}\setcounter{poem@no}{\z@}
6314 \ifx\max@poem@no\undefined
6315     \def\max@poem@no{0}%
6316 \fi
6317 \newcommand{\poem@prop}[1]{\@nameuse{#1\romannumeral\c@poem@no}}
6318 \newcommand{\poem@write@aux}[2]{%
6319     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
6320     \@x
6321 }
6322 \def\@modernpoem{%
6323 \par
6324 \begingroup
6325 \parskip=\z@
6326 \parindent=\z@
6327 \def\{ {\@settab\@tabplus\ignorespaces}%
6328 \def\} {\@tabminus\ignorespaces}%
6329 \def\newblock{\poemblocksep}%
6330 \let\newpoem@tabcr\@tabcr
6331 \def\modernpoem@par{% Redefine \par for possible \obeylines
6332     \ifpoem@started\else
6333         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6334             \@stopfield
6335             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6336             \@contfield
6337         \fi
6338     \fi
6339     \ifpoem@started\newpoem@tabcr\fi}%
6340 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6341 \global\poem@startedfalse
6342 \csname poem@obeylines\endcsname
6343 \let\poem@obeylines\relax
6344 \begin{tabbing}%
6345 }
6346 \def\@endmodernpoem{%
6347 \global\poem@startedfalse
6348 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6349     \@stopfield
6350     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6351     \@contfield
6352 \fi
6353 \ifpoem@started\else\let\@stopline\@stopfield\fi
6354 \end{tabbing}%
6355 \endgroup
6356 \par
6357 \if@nparlist \else
6358     \ifdim\lastskip >\z@
6359         \@tempskipa\lastskip \vskip -\lastskip
6360         \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6361         \vskip\@tempskipa
6362     \fi

```



```

6363 \endparenv
6364 \fi
6365 }
6366 \newenvironment{modernpoem}{\@modernpoem}{\endmodernpoem}
6367 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modern
6368 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6369 \gdef\@startfield{%
6370 \global\setbox\@curfield\hbox\bgroup%
6371 \let\@footnotetext\bidipoem@p@ftntext%
6372 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6373 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6374 \let\@xfootnotenext\bidipoem@p@xftntext%
6375 \let\@xfootnote\bidipoem@p@xfootnote%
6376 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6377 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6378 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6379 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6380 \color@begingroup}
6381 \gdef\@stopfield{%
6382 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6383 \gdef\@contfield{%
6384 \global\setbox\@curfield\hbox\bgroup%
6385 \let\@footnotetext\bidipoem@p@ftntext%
6386 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6387 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6388 \let\@xfootnotenext\bidipoem@p@xftntext%
6389 \let\@xfootnote\bidipoem@p@xfootnote%
6390 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6391 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6392 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6393 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6394 \color@begingroup\unhbox\@curfield}

```

31 File boek3-xetex-bidi.def

```

6395 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
6396 \renewenvironment{theindex}{%
6397 \if@twocolumn
6398 \@restonecolfalse
6399 \else
6400 \@restonecoltrue
6401 \fi
6402 \columnseprule \z@
6403 \columnsep 35\p@
6404 \twocolumn[\@makeschapterhead{\indexname}]{%
6405 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
6406 \thispagestyle{plain}\parindent\z@
6407 \parskip\z@ \@plus .3\p@\relax
6408 \let\item\@idxitem
6409 }{%

```



```

6410 \if@restonecol\onecolumn\else\clearpage\fi}
6411 \renewcommand*\head@style{%
6412     \interlinepenalty \@M
6413     \hyphenpenalty=\@M \exhyphenpenalty=\@M
6414     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6415 \renewcommand*\@regtocline[3]{%
6416     \ifnum #1>\c@tocdepth
6417     \else
6418         \vskip\z@\@plus.2\p@
6419         {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
6420         \if@RTL\rightskip\else\leftskip\fi\unitindent
6421         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6422         \parfillskip\z@
6423         \@tempdima\unitindent
6424         \parindent\z@
6425         \leavevmode
6426         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6427         \hskip 1em \nobreak{\slshape #3}\par
6428         }%
6429     \fi}
6430 \if@oldtoc
6431 \renewcommand*\l@part[2]{%
6432     \ifnum \c@tocdepth >-2\relax
6433         \addpenalty{-\@highpenalty}%
6434         \addvspace{2.25em \@plus\p@}%
6435         \begingroup
6436             \setlength\@tempdima{3em}%
6437             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6438             \parfillskip -\@pnumwidth
6439             {\leavevmode
6440                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6441                 \nobreak
6442                 \global\@nobreaktrue
6443                 \everypar{\global\@nobreakfalse\everypar{}}%
6444             \endgroup
6445     \fi}
6446 \else
6447     \renewcommand*\l@part{%
6448         \ifnum \c@tocdepth >-2\relax
6449             \addpenalty{-\@highpenalty}%
6450             \addvspace{2.25em \@plus \p@}%
6451             \@regtocline{0}%
6452         \fi}
6453 \fi
6454 \if@oldtoc
6455 \renewcommand*\l@chapter[2]{%
6456     \addpenalty{-\@highpenalty}%
6457     \vskip 1.0em \@plus\p@
6458     \setlength\@tempdima{1.5em}%
6459     \begingroup

```



```

6460 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6461 \parfillskip -\@pnumwidth
6462 \leavevmode \bfseries
6463 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
6464 \hskip -\if@RTL\rightskip\else\leftskip\fi
6465 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6466 \penalty\@highpenalty
6467 \endgroup}
6468 \else
6469 \renewcommand*\l@chapter{\@regtocline{0}}
6470 \fi
6471 \renewenvironment{abstract}{%
6472 \titlepage
6473 \null\vfil
6474 \section*{\SectFont \abstractname}
6475 \noindent\ignorespaces}
6476 {\par\vfil\null\endtitlepage}
6477 \renewenvironment{thebibliography}[1]
6478 {\chapter*{\bibname}%
6479 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6480 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6481 \bidi@thebibliography@font@hook%
6482 \list{\@biblabel{\@arabic\c@enumiv}}%
6483 {\settowidth\labelwidth{\@biblabel{#1}}%
6484 \leftmargin\labelwidth
6485 \advance\leftmargin\labelsep
6486 \openbib@code
6487 \usecounter{enumiv}%
6488 \let\p@enumiv\@empty
6489 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6490 \sloppy\clubpenalty4000\widowpenalty4000%
6491 \sfcode`\.\@m}
6492 {\def\@noitemerr
6493 {\@latex@warning{Empty `thebibliography' environment}}}%
6494 \endlist}
6495 \renewcommand*\left@footnoterule{%
6496 \kern-3\p@
6497 \kern.5\baselineskip
6498 \hrule\@width\unitindent
6499 \kern.4\baselineskip
6500 }
6501 \renewcommand*\right@footnoterule{%
6502 \kern-3\p@
6503 \kern.5\baselineskip
6504 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6505 \kern.4\baselineskip}
6506 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6507 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6508 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6509 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}

```




```

6510 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6511 \renewcommand*\theequation{%
6512   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6513 \renewcommand*\thefigure{%
6514   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6515 \renewcommand*\thetable{%
6516   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6517 \renewcommand*\maketitle{%
6518   \begin{titlepage}%
6519     \let\footnotesize\small
6520     \let\right@footnoterule\relax
6521     \let\left@footnoterule\relax
6522     \let\textwidth@footnoterule\relax
6523     \let \footnote \thanks
6524     \long\def\@makefnmark##1{\parindent\z@
6525       \def\labelitemi{\textendash}\@revlabeltrue
6526       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6527     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6528     \if@compatibility\setcounter{page}{0}\fi
6529     \null\vfil
6530     \vskip 60\p@
6531     \begin{center}%
6532       \TitleFont
6533       {\LARGE \def\\{\penalty -\@M}
6534         \if@allcaps
6535           \expandafter\uc@nothanks\@title\thanks\relax
6536         \else
6537           \@title
6538         \fi\par}%
6539       \vskip 3em%
6540       {\large
6541         \lineskip .75em \parindent\z@
6542         \begin{tabular}[t]{c}%
6543           \if@allcaps
6544             \expandafter\uc@authornothanks\@author\and\relax
6545           \else
6546             \@author
6547           \fi
6548         \end{tabular}\par}%
6549       \vskip 1.5em%
6550       {\large
6551         \if@allcaps
6552           \uppercase\expandafter{\@date}%
6553         \else
6554           \@date
6555         \fi\par}%
6556       \end{center}\par
6557       \@thanks
6558       \vfil\null
6559     \end{titlepage}%

```



```

6560 \setcounter{footnote}{0}%
6561 \global\let\thanks\relax
6562 \global\let\maketitle\relax
6563 \global\let\@thanks\@empty
6564 \global\let\@author\@empty
6565 \global\let\@title\@empty
6566 \global\let\@date\@empty
6567 \global\let\title\relax
6568 \global\let\author\relax
6569 \global\let\date\relax
6570 \global\let\and\relax
6571 }

```

32 File boek-xetex-bidi.def

```

6572 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
6573 \renewenvironment{theindex}{%
6574 \if@twocolumn
6575 \@restonecolfalse
6576 \else
6577 \@restonecoltrue
6578 \fi
6579 \columnseprule \z@
6580 \columnsep 35\p@
6581 \twocolumn[\@makeschapterhead{\indexname}]%
6582 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6583 \thispagestyle{plain}\parindent\z@
6584 \parskip\z@ \@plus .3\p@\relax
6585 \let\item\@idxitem
6586 }{%
6587 \if@restonecol\onecolumn\else\clearpage\fi}
6588 \renewcommand*{\head@style}{%
6589 \interlinepenalty \@M
6590 \hyphenpenalty=\@M \exhyphenpenalty=\@M
6591 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6592 \renewcommand*{\@regtocline}[3]{%
6593 \ifnum #1>\c@tocdepth
6594 \else
6595 \vskip\z@ \@plus.2\p@
6596 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
6597 \if@RTL\rightskip\else\leftskip\fi\unitindent
6598 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
6599 \parfillskip\z@
6600 \@tempdima\unitindent
6601 \parindent\z@
6602 \leavevmode
6603 \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6604 \hskip 1em \nobreak{\slshape #3}\par
6605 }%
6606 \fi}

```



```

6607 \if@oldtoc
6608 \renewcommand*\l@part[2]{%
6609   \ifnum \c@tocdepth >-2\relax
6610     \addpenalty{-\@highpenalty}%
6611     \addvspace{2.25em \@plus\p@}%
6612     \begingroup
6613       \setlength\@tempdima{3em}%
6614       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6615       \parfillskip -\@pnumwidth
6616       {\leavevmode
6617         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6618         \nobreak
6619         \global\@nobreaktrue
6620         \everypar{\global\@nobreakfalse\everypar{}}%
6621       \endgroup
6622   \fi}
6623 \else
6624   \renewcommand*\l@part{%
6625     \ifnum \c@tocdepth >-2\relax
6626       \addpenalty{-\@highpenalty}%
6627       \addvspace{2.25em \@plus\p@}%
6628       \@regtocline{0}%
6629     \fi}
6630 \fi
6631 \if@oldtoc
6632 \renewcommand*\l@chapter[2]{%
6633   \addpenalty{-\@highpenalty}%
6634   \vskip 1.0em \@plus\p@
6635   \setlength\@tempdima{1.5em}%
6636   \begingroup
6637   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6638   \parfillskip -\@pnumwidth
6639   \leavevmode \bfseries
6640   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6641   \hskip -\if@RTL\rightskip\else\leftskip\fi
6642   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6643   \penalty\@highpenalty
6644   \endgroup}
6645 \else
6646   \renewcommand*\l@chapter{\@regtocline{0}}
6647 \fi
6648 \renewcommand*\left@footnoterule{%
6649   \kern-3\p@
6650   \kern.5\baselineskip
6651   \hrule\@width\unitindent
6652   \kern.4\baselineskip
6653 }
6654 \renewcommand*\right@footnoterule{%
6655   \kern-3\p@
6656   \kern.5\baselineskip

```



```

6657 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6658 \kern.4\baselineskip}
6659 \renewenvironment{abstract}{%
6660     \titlepage
6661     \null\vfil
6662     \section*{\SectFont \abstractname}
6663     \noindent\ignorespaces}
6664     {\par\vfil\null\endtitlepage}
6665 \renewenvironment{thebibliography}[1]
6666     {\chapter*{\bibname}%
6667         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6668         \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
6669         \bidi@thebibliography@font@hook%
6670         \list{\@biblabel{\@arabic\c@enumiv}}{%
6671             {\settowidth\labelwidth{\@biblabel{#1}}%
6672             \leftmargin\labelwidth
6673             \advance\leftmargin\labelsep
6674             \@openbib@code
6675             \usecounter{enumiv}%
6676             \let\p@enumiv\@empty
6677             \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6678         \sloppy\clubpenalty4000\widowpenalty4000%
6679         \sfcode`\.\@m}
6680     {\def\@noitemerr
6681         {\@latex@warning{Empty `thebibliography' environment}}}%
6682     \endlist}
6683 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6684 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6685 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6686 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6687 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6688 \renewcommand*\theequation{%
6689     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6690 \renewcommand*\thefigure{%
6691     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6692 \renewcommand*\thetable{%
6693     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6694 \renewcommand*\maketitle{%
6695     \begin{titlepage}%
6696         \let\footnotesize\small
6697         \let\right@footnoterule\relax
6698         \let\left@footnoterule\relax
6699         \let\textwidth\footnoterule\relax
6700         \let \footnote \thanks
6701         \long\def\@makefnctext##1{\parindent\z@
6702             \def\labelitemi{\textendash}\@revlabeltrue
6703             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6704         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6705         \if@compatibility\setcounter{page}{0}\fi
6706         \null\vfil

```



```

6707 \vskip 60\p@
6708 \begin{center}%
6709 \TitleFont
6710 {\LARGE \def\\{\penalty -\@M}
6711 \if@allcaps
6712 \expandafter\uc@nothanks\@title\thanks\relax
6713 \else
6714 \@title
6715 \fi\par}%
6716 \vskip 3em%
6717 {\large
6718 \lineskip .75em \parindent\z@
6719 \begin{tabular}[t]{c}%
6720 \if@allcaps
6721 \expandafter\uc@author\and\relax
6722 \else
6723 \@author
6724 \fi
6725 \end{tabular}\par}%
6726 \vskip 1.5em%
6727 {\large
6728 \if@allcaps
6729 \uppercase\expandafter{\@date}%
6730 \else
6731 \@date
6732 \fi\par}%
6733 \end{center}\par
6734 \@thanks
6735 \vfil\null
6736 \end{titlepage}%
6737 \setcounter{footnote}{0}%
6738 \global\let\thanks\relax
6739 \global\let\maketitle\relax
6740 \global\let\@thanks\@empty
6741 \global\let\@author\@empty
6742 \global\let\@title\@empty
6743 \global\let\@date\@empty
6744 \global\let\title\relax
6745 \global\let\author\relax
6746 \global\let\date\relax
6747 \global\let\and\relax
6748 }

```

33 File `bookest-xetex-bidi.def`

```

6749 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for X
6750 \def\@makechapterhead#1{%
6751 \vspace*{20\p@}
6752 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6753 \ifnum \c@secnumdepth >\m@ne

```



```

6754     \if@mainmatter
6755         {\colorA\huge\scshape \@chapapp\space \thechapter}
6756         \par\nobreak
6757         \vskip 10\p@
6758     \fi
6759 \fi
6760 \interlinepenalty\@M
6761 {\colorB\hrule}
6762 \vskip 15\p@
6763 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6764     {\colorA\Huge \bfseries #1}\par\nobreak
6765 \if@RTL\end{flushleft}\else\end{flushright}\fi
6766 \vskip 5\p@
6767 {\colorB\hrule}
6768 \vskip 30\p@
6769 }}
6770 \def\@makeschapterhead#1{%
6771     \vspace*{20\p@}
6772     {\parindent \z@ \raggedright \normalfont
6773     {\colorB\hrule}
6774     \vskip 15\p@
6775     \begin{center}
6776         {\colorA\Huge \bfseries #1}\par\nobreak
6777     \end{center}
6778     \vskip 5\p@
6779     {\colorB\hrule}
6780     \vskip 30\p@
6781     }}

```

34 File book-xetex-bidi.def

```

6782 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class f
6783 \renewenvironment{theindex}
6784     {\if@twocolumn
6785         \@restonecolfalse
6786         \else
6787             \@restonecoltrue
6788         \fi
6789         \columnseprule \z@
6790         \columnsep 35\p@
6791         \twocolumn[\@makeschapterhead{\indexname}]%
6792         \@mkboth{\MakeUppercase\indexname}%
6793             {\MakeUppercase\indexname}%
6794         \thispagestyle{plain}\parindent\z@
6795         \parskip\z@ \@plus .3\p@\relax
6796         \let\item\@idxitem}
6797     {\if@restonecol\onecolumn\else\clearpage\fi}
6798 \@ifclassloaded{bookest}{-}{-}%
6799 \if@titlepage
6800 \renewcommand\maketitle{\begin{titlepage}%

```



```

6801 \let\footnotesize\small
6802 \let\right@footnoterule\relax
6803 \let\left@footnoterule\relax
6804 \let\textwidth@footnoterule\relax
6805 \let \footnote \thanks
6806 \let \LTRfootnote \LTRthanks
6807 \let \RTLfootnote \RTLthanks
6808 \null\vfil
6809 \vskip 60\p@
6810 \begin{center}%
6811   {\LARGE \@title \par}%
6812   \vskip 3em%
6813   {\large
6814     \lineskip .75em%
6815     \begin{tabular}[t]{c}%
6816       \@author
6817     \end{tabular}\par}%
6818     \vskip 1.5em%
6819     {\large \@date \par}%           % Set date in \large size.
6820 \end{center}\par
6821 \@thanks
6822 \vfil\null
6823 \end{titlepage}%
6824 \setcounter{footnote}{0}%
6825 \global\let\thanks\relax
6826 \global\let\LTRthanks\relax
6827 \global\let\RTLthanks\relax
6828 \global\let\maketitle\relax
6829 \global\let\@thanks\@empty
6830 \global\let\@author\@empty
6831 \global\let\@date\@empty
6832 \global\let\@title\@empty
6833 \global\let\title\relax
6834 \global\let\author\relax
6835 \global\let\date\relax
6836 \global\let\and\relax
6837 }
6838 \else
6839 \renewcommand\maketitle{\par
6840   \begingroup
6841     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6842     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6843     \long\def\@makefntext##1{\parindent 1em\noindent
6844       \hb@xt@1.8em{%
6845         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6846     \if@twocolumn
6847       \ifnum \col@number=\@ne
6848         \@maketitle
6849       \else
6850         \twocolumn[\@maketitle]%

```



```

6851     \fi
6852   \else
6853     \newpage
6854     \global\@topnum\z@    % Prevents figures from going at top of page.
6855     \@maketitle
6856   \fi
6857   \thispagestyle{plain}\@thanks
6858 \endgroup
6859 \setcounter{footnote}{0}%
6860 \global\let\thanks\relax
6861 \global\let\LTRthanks\relax
6862 \global\let\RTLthanks\relax
6863 \global\let\maketitle\relax
6864 \global\let\@maketitle\relax
6865 \global\let\@thanks\@empty
6866 \global\let\@author\@empty
6867 \global\let\@date\@empty
6868 \global\let\@title\@empty
6869 \global\let\title\relax
6870 \global\let\author\relax
6871 \global\let\date\relax
6872 \global\let\and\relax
6873 }
6874 \def\@maketitle{%
6875   \newpage
6876   \null
6877   \vskip 2em%
6878   \begin{center}%
6879     \let \footnote \thanks
6880     \let \LTRfootnote \LTRthanks
6881     \let \RTLfootnote \RTLthanks
6882     {\LARGE \@title \par}%
6883     \vskip 1.5em%
6884     {\large
6885       \lineskip .5em%
6886       \begin{tabular}[t]{c}%
6887         \@author
6888       \end{tabular}\par}%
6889     \vskip 1em%
6890     {\large \@date}%
6891   \end{center}%
6892   \par
6893   \vskip 1.5em}
6894 \fi}
6895 \renewcommand*\l@part[2]{%
6896   \ifnum \c@tocdepth >-2\relax
6897     \addpenalty{-\@highpenalty}%
6898     \addvspace{2.25em \@plus\p@}%
6899     \setlength\@tempdima{3em}%
6900     \begin{group

```




```

6901 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6902 \parfillskip -\@pnumwidth
6903 {\leavevmode
6904 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6905 \nobreak
6906 \global\@nobreaktrue
6907 \everypar{\global\@nobreakfalse\everypar{}}%
6908 \endgroup
6909 \fi}
6910 \renewcommand*\l@chapter[2]{%
6911 \ifnum \c@tocdepth >\m@ne
6912 \addpenalty{-\@highpenalty}%
6913 \vskip 1.0em \@plus\p@
6914 \setlength\@tempdima{1.5em}%
6915 \begingroup
6916 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6917 \parfillskip -\@pnumwidth
6918 \leavevmode \bfseries
6919 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6920 \hskip -\if@RTL\rightskip\else\leftskip\fi
6921 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6922 \penalty\@highpenalty
6923 \endgroup
6924 \fi}
6925 \renewcommand\left@footnoterule{%
6926 \kern-3\p@
6927 \hrule\@width.4\columnwidth
6928 \kern2.6\p@}
6929 \renewcommand\right@footnoterule{%
6930 \kern-3\p@
6931 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6932 \kern2.6\p@}
6933 \renewcommand\theequation
6934 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6935 \renewcommand \thefigure
6936 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6937 \renewcommand \thetable
6938 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6939 \renewcommand \thechapter {\@arabic\c@chapter}
6940 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6941 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6942 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6943 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6944 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6945 \def\@makechapterhead#1{%
6946 \vspace*{50\p@}%
6947 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6948 \ifnum \c@secnumdepth >\m@ne
6949 \if@mainmatter
6950 \huge\bfseries \@chapapp\space \thechapter

```



```

6951      \par\nobreak
6952      \vskip 20\p@
6953      \fi
6954      \fi
6955      \interlinepenalty\@M
6956      \Huge \bfseries #1\par\nobreak
6957      \vskip 40\p@
6958    }}
6959 \def\@makeschapterhead#1{%
6960   \vspace*{50\p@}%
6961   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6962    \normalfont
6963    \interlinepenalty\@M
6964    \Huge \bfseries #1\par\nobreak
6965    \vskip 40\p@
6966   }}
6967 \renewcommand\backmatter{%
6968   \if@openright
6969     \cleardoublepage
6970   \else
6971     \clearpage
6972   \fi
6973   \@mainmatterfalse}
6974 \renewenvironment{thebibliography}[1]
6975   {\chapter*{\bibname}%
6976    \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6977    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6978    \bidi@thebibliography@font@hook%
6979    \list{\@biblabel{\@arabic\c@enumiv}}%
6980      {\settowidth\labelwidth{\@biblabel{#1}}%
6981       \leftmargin\labelwidth
6982       \advance\leftmargin\labelsep
6983       \@openbib@code
6984       \usecounter{enumiv}%
6985       \let\p@enumiv\@empty
6986       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6987    \sloppy
6988    \clubpenalty4000
6989    \@clubpenalty \clubpenalty
6990    \widowpenalty4000%
6991    \sfcode`.\@m}
6992   {\def\@noitemerr
6993    {\@latex@warning{Empty `thebibliography' environment}}%
6994    \endlist}

```

35 File breqn-xetex-bidi.def

```

6995 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for XeLaTeX]
6996 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6997   \everydisplay\expandafter{\the\everydisplay \display@setup}%

```



```

6998 \if@noskipsec \leavevmode \fi
6999 \if@inlabel \leavevmode \global\@inlabelfalse \fi
7000 \if\eq@group\else\eq@prelim\fi
7001 \setkeys{breqn}{#1}%
7002 \the\eqstyle
7003 \eq@setnumber
7004 \begingroup
7005 \eq@setup@a
7006 \eq@startup
7007 }
7008 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
7009 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
7010 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
7011 \global\let\GRP@label\@empty
7012 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
7013 \global\grp@linewidth\z@\global\grp@wdNum\z@
7014 \global\let\grp@eqs@numbered\@False
7015 \global\let\grp@aligned\@True
7016 \global\let\grp@shiftnumber\@False
7017 \eq@prelim
7018 \setkeys{breqn}{#1}%
7019 \if\grp@hasNumber \grp@setnumber \fi
7020 }
7021 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
7022 \let\display@setup\dseries@display@setup
7023 % Question: should this be the default for dseries???
7024 \global\eq@wdCond\z@
7025 \@dmath[layout={M},#1]%
7026 \mathsurround\z@\@math \penalty\@Mi
7027 \let\endmath\ends@math
7028 \def\premath{%
7029 \ifdim\lastskip<.3em \unskip
7030 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
7031 }%
7032 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
7033 \ignorespaces
7034 }
7035 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@italiccorr)\if@nonlatin\endR\fi}
7036 \renewenvironment{dsuspend}{%
7037 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
7038 \parshape 1 \displayindent \displaywidth\relax
7039 \hsize=\columnwidth \noindent\ignorespaces
7040 }{%
7041 \par\egroup
7042 \global\setbox\GRP@box\vbox{%
7043 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
7044 \unvbox\GRP@box
7045 }%
7046 \global\GRP@queue\@xp{\the\GRP@queue
7047 \elt{\let\eq@isIntertext\@True}%

```



```

7048 }%
7049 }

```

36 File cals-xetex-bidi.def

```

7050 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
7051 \renewcommand\cals@setup@alignment[1]{%
7052 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
7053 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
7054 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
7055 }
7056 \renewcommand\cals@table@alignment{\ifRTLtab r\else l\fi}
7057 \renewenvironment{calstable}[1][\cals@table@alignment]{%
7058 \ifRTLtab\cals@activate@rtl\fi
7059 \let\cals@thead@tokens=\relax
7060 \let\cals@tfoot@tokens=\relax
7061 \let\cals@tbody@tokens=\relax
7062 \cals@tfoot@height=0pt \relax
7063 \let\cals@last@context=n%
7064 \let\cals@current@context=b%
7065 \parindent=0pt \relax%
7066 \cals@setup@alignment{#1}%
7067 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsz%
7068 %% Alignment inside is independent on center/flushright outside
7069 \parfillskip=0pt plus1fil\relax
7070 \let\cals@borderL=\relax
7071 \let\cals@borderR=\relax
7072 \let\cals@borderT=\relax
7073 \let\cals@borderB=\relax
7074 \setbox\cals@backup@row=\box\voidb@x\relax
7075 \cals@AtBeginTable
7076 }{% End of the table
7077 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
7078 \renewcommand\alignL{%
7079 \ifRTLtab
7080 \cals@vfillAdd\cals@paddingL
7081 \else
7082 \cals@vfillDrop\cals@paddingL
7083 \fi
7084 \cals@vfillDrop\cals@paddingR}
7085 \renewcommand\alignR{%
7086 \ifRTLtab
7087 \cals@vfillDrop\cals@paddingL
7088 \else
7089 \cals@vfillAdd\cals@paddingL
7090 \fi
7091 \cals@vfillDrop\cals@paddingR}

```

37 File caption-xetex-bidi.def



```

7092 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for
7093 \let\@makecaption\caption@makecaption

```

38 File caption3-xetex-bidi.def

```

7094 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package f
7095 \renewcommand*\caption@@par{%
7096 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

39 File colortbl-xetex-bidi.def

```

7097 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package f
7098 \def\CT@setup{%
7099 \@tempdimb\col@sep
7100 \@tempdimc\col@sep
7101 \def\CT@color{%
7102 \global\let\CT@do@color\CT@@do@color
7103 \bidicolor}}
7104 \def\@classz{\@classx
7105 \@tempcnta\count@
7106 \prepnext@tok
7107 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
7108 \@addtopreamble{\if@RTLtab\beginL\fi%
7109 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
7110 \ifcase\@chnum
7111 \hskip\stretch{.5}\kern\z@
7112 \dollarbegin
7113 \insert@column
7114 \dollarend\hskip\stretch{.5}\or
7115 \dollarbegin\insert@column\dollarend\hfill\or
7116 \hfill\kern\z@\dollarbegin\insert@column\dollarend\or
7117 $\vcenter
7118 \@startpbox{\@nextchar}\insert@column\@endpbox$\or
7119 \vtop\@startpbox{\@nextchar}\insert@column\@endpbox\or
7120 \vbox\@startpbox{\@nextchar}\insert@column\@endpbox
7121 \fi
7122 \if@RTLtab\endR\fi\egroup\egroup
7123 \begingroup
7124 \CT@setup
7125 \CT@column@color
7126 \CT@row@color
7127 \CT@cell@color
7128 \CT@do@color
7129 \endgroup
7130 \@tempdima\ht\z@
7131 \advance\@tempdima\minrowclearance
7132 \vrule\@height\@tempdima\@width\z@
7133 \unhbox\z@\if@RTLtab\endL\fi}%
7134 \prepnext@tok}

```



40 File color-xetex-bidi.def

```

7135 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe
7136 \long\def\color@b@x#1#2#3{%
7137   \leavevmode\ifhmode\else\if@RTL\beginL\fi\fi
7138   \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
7139   \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
7140   \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
7141   {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
7142     \box\z@}}\ifhmode\else\if@RTL\endL\fi\fi}
7143 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
7144 \DeclareRobustCommand\color{%
7145   \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor]
7146   \def\@undeclaredcolor#1{%
7147     \ifundefined{\string\color @#1}%
7148       {\c@lor@error{`#1'}}%
7149       {\expandafter\let\expandafter\current@color
7150         \csname\string\color @#1\endcsname
7151         \set@color}%
7152     \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7153 \def\@undeclaredcolor[#1]#2{%
7154   \ifundefined{color@#1}%
7155     {\c@lor@error{model `#1'}}%
7156     {\csname color@#1\endcsname\current@color{#2}%
7157     \set@color}%
7158   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7159 \DeclareRobustCommand\bidicolor{%
7160   \ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]
7161 \def\@bidiundeclaredcolor[#1]#2{%
7162   \ifundefined{color@#1}%
7163     {\c@lor@error{model `#1'}}%
7164     {\csname color@#1\endcsname\current@color{#2}%
7165     \set@color}%
7166   \ignorespaces}
7167 \def\@bidideclaredcolor#1{%
7168   \ifundefined{\string\color @#1}%
7169     {\c@lor@error{`#1'}}%
7170     {\expandafter\let\expandafter\current@color
7171       \csname\string\color @#1\endcsname
7172       \set@color}%
7173   \ignorespaces}
7174 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
7175 \def\color@fbbox#1#2#3{%
7176   \color@b@x{\fbboxsep\z@\bidicolor#1{#2}\fbbox}{\bidicolor#1{#3}}}
7177 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode\fi}

```

41 File combine-xetex-bidi.def

```

7178 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for L
7179 \renewcommand{\c@ll@chapsecii}[2]{%

```



```

7180 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
7181 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
7182 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7183 }
7184 \renewcommand{\c@ll@chapseci}{%
7185 \setlength\@tempdima{0em}%
7186 \begingroup
7187 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7188 \parfillskip -\@pnumwidth
7189 \leavevmode
7190 }
7191 \renewenvironment{tocindent}[1]{%
7192 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

42 File crop-xetex-bidi.def

```

7193 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
7194 \renewcommand*\CROP@ulc{%
7195 \if@RTLmain%
7196 \begin{picture}(0,0)
7197 \unitlength\p@\thinlines
7198 \put(-40,0){\circle{10}}
7199 \put(-30,-5){\line(0,1){10}}
7200 \put(-35,0){\line(1,0){30}}
7201 \put(-10,30){\circle{10}}
7202 \put(-5,30){\line(1,0){10}}
7203 \put(0,35){\line(0,-1){30}}
7204 \end{picture}%
7205 \else%
7206 \begin{picture}(0,0)
7207 \unitlength\p@\thinlines
7208 \put(-30,0){\circle{10}}
7209 \put(-30,-5){\line(0,1){10}}
7210 \put(-35,0){\line(1,0){30}}
7211 \put(0,30){\circle{10}}
7212 \put(-5,30){\line(1,0){10}}
7213 \put(0,35){\line(0,-1){30}}
7214 \end{picture}%
7215 \fi%
7216 }
7217 \renewcommand*\CROP@urc{%
7218 \if@RTLmain%
7219 \begin{picture}(0,0)
7220 \unitlength\p@\thinlines
7221 \put(20,0){\circle{10}}
7222 \put(30,-5){\line(0,1){10}}
7223 \put(35,0){\line(-1,0){30}}
7224 \put(-10,30){\circle{10}}
7225 \put(-5,30){\line(1,0){10}}
7226 \put(0,35){\line(0,-1){30}}

```



```

7227 \end{picture}%
7228 \else%
7229 \begin{picture}(0,0)
7230 \unitlength\p@\thinlines
7231 \put(30,0){\circle{10}}
7232 \put(30,-5){\line(0,1){10}}
7233 \put(35,0){\line(-1,0){30}}
7234 \put(0,30){\circle{10}}
7235 \put(-5,30){\line(1,0){10}}
7236 \put(0,35){\line(0,-1){30}}
7237 \end{picture}%
7238 \fi%
7239 }
7240 \renewcommand*\CROP@llc{%
7241 \if@RTLmain%
7242 \begin{picture}(0,0)
7243 \unitlength\p@\thinlines
7244 \put(-40,0){\circle{10}}
7245 \put(-30,-5){\line(0,1){10}}
7246 \put(-35,0){\line(1,0){30}}
7247 \put(-10,-30){\circle{10}}
7248 \put(-5,-30){\line(1,0){10}}
7249 \put(0,-35){\line(0,1){30}}
7250 \end{picture}%
7251 \else%
7252 \begin{picture}(0,0)
7253 \unitlength\p@\thinlines
7254 \put(-30,0){\circle{10}}
7255 \put(-30,-5){\line(0,1){10}}
7256 \put(-35,0){\line(1,0){30}}
7257 \put(0,-30){\circle{10}}
7258 \put(-5,-30){\line(1,0){10}}
7259 \put(0,-35){\line(0,1){30}}
7260 \end{picture}%
7261 \fi%
7262 }
7263 \renewcommand*\CROP@lrc{%
7264 \if@RTLmain%
7265 \begin{picture}(0,0)
7266 \unitlength\p@\thinlines
7267 \put(20,0){\circle{10}}
7268 \put(30,-5){\line(0,1){10}}
7269 \put(35,0){\line(-1,0){30}}
7270 \put(-10,-30){\circle{10}}
7271 \put(-5,-30){\line(1,0){10}}
7272 \put(0,-35){\line(0,1){30}}
7273 \end{picture}%
7274 \else%
7275 \begin{picture}(0,0)
7276 \unitlength\p@\thinlines

```




```

7277         \put(30,0){\circle{10}}
7278         \put(30,-5){\line(0,1){10}}
7279         \put(35,0){\line(-1,0){30}}
7280         \put(0,-30){\circle{10}}
7281         \put(-5,-30){\line(1,0){10}}
7282         \put(0,-35){\line(0,1){30}}
7283     \end{picture}%
7284     \fi%
7285 }
7286 \@ifpackagewith{crop}{cam}{%
7287 \CROP@execopt{cam}%
7288 }{}

```

43 File cutwin-xetex-bidi.def

```

7289 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeTeX]
7290 \renewcommand*{\c@twcompctr}[2]{%
7291   \def\c@twfirst{1}
7292   \loop\advance\c@twwinlines\m@ne
7293   \setbox\c@twslicea=\vsplit#1 to\baselineskip
7294   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
7295   \c@twprune{\c@twslicea}{\c@twlftside}%
7296   \c@twprune{\c@twsliceb}{\c@twrtside}%
7297   \ifnum\c@twfirst=\@ne
7298     \setbox#2=\vbox{\unvbox#2\hbox
7299       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi}}
7300   \else
7301     \setbox#2=\vbox{\unvbox#2\hbox
7302       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}
7303   \fi
7304   \def\c@twfirst{2}
7305   \ifnum\c@twwinlines>\z@\repeat{
7306 \renewcommand*{\c@twcompodctr}[2]{%
7307   \def\c@twrounds{1}
7308   \def\c@twfirst{1}
7309   \@for\c@twlspec:=\c@twb\do{%
7310     \ifnum\c@twrounds=1
7311       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
7312       \c@twprune{\c@twslicea}{\c@twlspec}%
7313       \def\c@twrounds{2}
7314     \else
7315       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
7316       \c@twprune{\c@twsliceb}{\c@twlspec}%
7317       \ifnum\c@twfirst=1
7318         \setbox#2=\vbox{\unvbox#2\hbox
7319           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi}}
7320       \def\c@twfirst{2}
7321     \else
7322       \setbox#2=\vbox{\unvbox#2\hbox
7323         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}

```



```

7324     \fi
7325     \def\c@twrounds{1}
7326     \fi}}

```

44 File cuted-xetex-bidi.def

```

7327 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for XeΛ
7328
7329 \def\RTL@outputdblcol{%
7330   \if@firstcolumn
7331     \global\@firstcolumnfalse
7332     \global\setbox\@leftcolumn\copy\@outputbox
7333     \splitmaxdepth\maxdimen
7334     \vbadness\maxdimen
7335     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7336     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7337     \toks@\expandafter{\topmark}%
7338     \xdef\@firstcoltopmark{\the\toks@}%
7339     \toks@\expandafter{\splitfirstmark}%
7340     \xdef\@firstcolfirstmark{\the\toks@}%
7341     \ifx\@firstcolfirstmark\@empty
7342       \global\let\@setmarks\relax
7343     \else
7344       \gdef\@setmarks{%
7345         \let\firstmark\@firstcolfirstmark
7346         \let\topmark\@firstcoltopmark}%
7347     \fi
7348   \else
7349     \global\@firstcolumntrue
7350     \setbox\@outputbox\vbox{%
7351       \hb@xt@\textwidth{%
7352         \hskip \columnwidth
7353         \hfil
7354         {\normalcolor\vrule \@width\columnseprule}%
7355         \hfil
7356         \hb@xt@\columnwidth{%
7357           \bidi@firstcolumn@status@write%
7358           \box\@leftcolumn \hss}%
7359         \hskip -\textwidth
7360         \hb@xt@\columnwidth{%
7361           \bidi@lastcolumn@status@write%
7362           \box\@outputbox \hss}%
7363         \hskip \columnsep
7364         \hskip \columnwidth }}%
7365     \ifvoid\hold@viper
7366     \else
7367       \setbox\@outputbox \vbox to\textheight{%
7368         \box\hold@viper
7369         \box\@outputbox
7370         \vss

```



```

7371 }%
7372 \fi
7373 \@combinedblfloats
7374 \setmarks
7375 \@outputpage
7376 \beginngroup
7377 \dblfloatplacement
7378 \startdblcolumn
7379 \@whiles\if@fcolmade \fi{\@outputpage
7380 \startdblcolumn}%
7381 \ifvoid\@viper
7382 \else
7383 \global\setbox\@viper\vbox{%
7384 \vskip-\stripsep
7385 \unvbox\@viper
7386 }%
7387 \@viperoutput
7388 \fi
7389 \endgroup
7390 \fi}%
7391
7392 \def\LTR@outputdblcol{%
7393 \if@firstcolumn
7394 \global\@firstcolumnfalse
7395 \global\setbox\@leftcolumn\copy\@outputbox
7396 \splitmaxdepth\maxdimen
7397 \vbadness\maxdimen
7398 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7399 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7400 \toks@\expandafter{\topmark}%
7401 \xdef\@firstcoltopmark{\the\toks@}%
7402 \toks@\expandafter{\splitfirstmark}%
7403 \xdef\@firstcolfirstmark{\the\toks@}%
7404 \ifx\@firstcolfirstmark\@empty
7405 \global\let\@setmarks\relax
7406 \else
7407 \gdef\@setmarks{%
7408 \let\firstmark\@firstcolfirstmark
7409 \let\topmark\@firstcoltopmark}%
7410 \fi
7411 \else
7412 \global\@firstcolumntrue
7413 \setbox\@outputbox\vbox{%
7414 \hb@xt@\textwidth{%
7415 \hb@xt@\columnwidth{%
7416 \bidi@firstcolumn@status@write%
7417 \box\@leftcolumn \hss}%
7418 \hfil
7419 {\normalcolor\vrule \@width\columnseprule}%
7420 \hfil

```



```

7421      \hb@xt@\columnwidth{%
7422      \bidi@lastcolumn@status@write%
7423      \box\@outputbox \hss}}}%
7424 \ifvoid\hold@viper
7425 \else
7426   \setbox\@outputbox \vbox to\textheight{%
7427                       \box\hold@viper
7428                       \box\@outputbox
7429                       \vss
7430   }%
7431 \fi
7432 \@combinedblfloats
7433 \setmarks
7434 \@outputpage
7435 \beginingroup
7436   \@dblfloatplacement
7437   \@startdblcolumn
7438   \@whiles\if@fcolmade \fi{\@outputpage
7439   \@startdblcolumn}%
7440   \ifvoid\@viper
7441   \else
7442     \global\setbox\@viper\vbox{%
7443         \vskip-\stripsep
7444         \unvbox\@viper
7445     }%
7446     \@viperoutput
7447   \fi
7448 \endgroup
7449 \fi}%
7450
7451
7452 \def \@addviper {%
7453   \if@firstcolumn
7454     \insertfalse
7455     \@reqcolroom .5\@pageht
7456     \ht@viper\@reqcolroom
7457     \advance \@reqcolroom \ht\@viper
7458     \advance \@reqcolroom \stripsep
7459     \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7460 %%
7461   \@tempdimb \ht@viper
7462   \loop
7463     \setbox\v@aaa\copy\@holdpg
7464     \setbox\v@ccc\vbox to\@tempdimb{%
7465         \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
7466     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7467     \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
7468   \loop
7469     \setbox\v@aaa\copy\@holdpg
7470     \setbox\v@ccc\vbox to\@tempdimb{%

```



```

7471         \vsplit\v@aaa to\@tempdimb\vss}%
7472 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
7473 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
7474 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
7475 \setbox\v@ccc\vbox to\@tempdimb{%
7476     \vsplit\@holdpg to\@tempdimb\vss}%
7477 %%
7478 \setbox\@tempboxa \vbox {%
7479     \hb@xt@\textwidth {%
7480         \if@RTLmain%
7481             \hskip \columnwidth
7482             \hfil \vrule width\columnseprule \hfil
7483             \hb@xt@\columnwidth {%
7484                 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7485             \hskip -\textwidth
7486             \hb@xt@\columnwidth {%
7487                 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7488             \hskip \columnsep
7489             \hskip \columnwidth
7490             \else%
7491                 \hb@xt@\columnwidth {%
7492                     \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7493                     \hfil
7494                     \vrule \@width\columnseprule
7495                     \hfil
7496                     \hb@xt@\columnwidth {%
7497                         \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7498                         \fi}%
7499                 }%
7500 \ifvoid\hold@viper
7501     \global\setbox\hold@viper \vbox {%
7502         \unvbox\@tempboxa
7503         \penalty\interlinepenalty
7504         \vskip\stripsep
7505         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7506         \outputpenalty \z@
7507     }%
7508 \else
7509     \global\setbox\hold@viper \vbox {%
7510         \unvbox\hold@viper
7511         \unvbox\@tempboxa
7512         \penalty\interlinepenalty
7513         \vskip\stripsep
7514         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7515         \outputpenalty \z@
7516     }%
7517 \fi
7518 \ifdim \@colroom>\@reqcolroom
7519     \global\setbox\hold@viper \vbox {%
7520         \unvbox\hold@viper

```



```

7521         \box\@viper
7522         \penalty\interlinepenalty
7523         \vskip\stripsep
7524         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7525         \outputpenalty \z@
7526         }%
7527     \@inserttrue
7528     \advance\@tempdima by-\ht\hold@viper
7529     \global \advance \@colht \@tempdima
7530     \ifdim \@colht<2.5\baselineskip
7531         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7532             too tall on page \thepage (1 stulpelis)}}%
7533         \@emptycol
7534         \if@firstcolumn
7535         \else
7536             \@emptycol
7537         \fi
7538         \global\@lastvipertrue
7539     \else
7540         \global \vsize \@colht
7541         \global \@colroom \@colht
7542         \check@floats
7543         \ifdim\@tempdima>\z@
7544             \global\advance\@colroom by-\@tempdima
7545         \fi
7546         \ifdim\@colroom<\z@
7547             \global\@colroom 1pt
7548             \ifdim\@tempdima>\@colht
7549                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7550                     netelpa lape \thepage (1 stulpelis)}}%
7551             \fi
7552             \@emptycol
7553             \if@firstcolumn
7554             \else
7555                 \@emptycol
7556             \fi
7557             \global\@lastvipertrue
7558         \fi
7559     \fi
7560 \fi
7561 \else
7562     \@insertfalse
7563     \@reqcolroom\@colht
7564     \advance\@reqcolroom \@pageht
7565     \ht@viper.5\@reqcolroom
7566     \@reqcolroom\ht@viper
7567     \advance \@reqcolroom \ht\@viper
7568     \advance \@reqcolroom \stripsep
7569     \if@flushend@auto@baselineskip
7570         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn

```



```

7571 \global\lastskip@d\lastskip
7572 \global\lastskip@b\lastskip
7573 \loop
7574 \global\lastskip@a\lastskip@b
7575 \unskip\unpenalty
7576 \global\lastskip@b\lastskip
7577 \global\advance\lastskip@d by\lastskip
7578 \ifdim\lastskip@b=-\lastskip@a
7579 \global\advance\lastskip@d by-\lastskip
7580 \else
7581 \repeat
7582 \ifdim\lastskip@b=-\lastskip@a
7583 \ifdim\lastskip@b=\z@
7584 \setbox\lastbox@a\lastbox
7585 \global\advance\lastskip@d by\ht\lastbox@a
7586 \global\advance\lastskip@d by\lastskip
7587 \unskip\unpenalty
7588 \setbox\lastbox@a\lastbox
7589 \global\advance\lastskip@d by\dp\lastbox@a
7590 \else
7591 \global\lastskip@d\lastskip
7592 \global\advance\lastskip@d by\topskip
7593 \fi
7594 \fi
7595 \global\advance\lastskip@d by-\topskip
7596 }%
7597 \ifdim\ht\@holdpg>\@colht
7598 \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
7599 \par\eject
7600 \vbox to \@colht{\unvbox\@holdpg\unskip}}%
7601 }%
7602 \else
7603 \global\setbox\@holdpg\vbox{%
7604 \unvbox\@leftcolumn\unskip\unpenalty
7605 \vskip\lastskip@d
7606 \the\At@ViperColsBreak
7607 \unvbox\@holdpg
7608 \unskip
7609 }%
7610 \fi
7611 \else
7612 \global\setbox\@holdpg\vbox{%
7613 \unvbox\@leftcolumn
7614 \setbox\@tempboxa\lastbox
7615 \on@stripcols@break
7616 \the\At@ViperColsBreak
7617 \unvbox\@holdpg
7618 }%
7619 \fi
7620 \global\At@ViperColsBreak{}}%

```



```

7621 \ht@viper .5\ht\@holdpg
7622 \ifdim \ht@viper>\@colht
7623 \ht@viper \@colht
7624 \fi
7625 \ifvoid\hold@viper\@tempdima=z@\else\@tempdima\ht\hold@viper\fi
7626 %%
7627 \@tempdimb \ht@viper
7628 \loop
7629 \setbox\v@aaa\copy\@holdpg
7630 \setbox\v@ccc\vbox to\@tempdimb{%
7631 \vsplit\v@aaa to\@tempdimb
7632 \vss
7633 \vsplit\v@aaa to\@tempdimb
7634 }%
7635 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7636 \ifvoid\v@aaa
7637 \else
7638 \advance\@tempdimb 1\p@
7639 \repeat
7640 \loop
7641 \setbox\v@aaa\copy\@holdpg
7642 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7643 \wlog{(2)Left:\the\ht\v@ccc\space
7644 Right:\the\ht\v@aaa\space
7645 Output:\the\@tempdimb
7646 }%
7647 \ifdim\ht\v@ccc<\ht\v@aaa
7648 \@tempdimb \the\ht\v@aaa
7649 \repeat
7650 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7651 ^^JRight:\the\ht\v@aaa
7652 ^^JOutput:\the\@tempdimb
7653 }%
7654 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7655 \setbox\@tempboxa\vbox{%
7656 \hb@xt@\textwidth {%
7657 \if@RTLmain%
7658 \hskip \columnwidth
7659 \hfil \vrule width\columnseprule \hfil
7660 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7661 \hskip -\textwidth
7662 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7663 \hskip \columnsep
7664 \hskip \columnwidth
7665 \else
7666 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7667 \hfil
7668 \vrule \@width\columnseprule
7669 \hfil
7670 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%

```




```

7671         \fi%
7672     }%
7673 }%
7674 \ifvoid\hold@viper
7675     \global\setbox\hold@viper \vbox {%
7676         \unvbox\@tempboxa
7677         \penalty\interlinepenalty
7678         \vskip\stripsep
7679         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7680         \outputpenalty \z@
7681     }%
7682 \else
7683     \global\setbox\hold@viper \vbox {%
7684         \unvbox\hold@viper
7685         \unvbox\@tempboxa
7686         \penalty\interlinepenalty
7687         \vskip\stripsep
7688         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7689         \outputpenalty \z@
7690     }%
7691 \fi
7692 \ifdim \@colht>\@reqcolroom
7693     \global\setbox\hold@viper \vbox {%
7694         \unvbox\hold@viper
7695         \box\@viper
7696         \penalty\interlinepenalty
7697         \vskip\stripsep
7698         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7699         \outputpenalty \z@
7700     }%
7701 \@inserttrue
7702 \global\@firstcolumntrue
7703 \advance\@tempdima by-\ht\hold@viper
7704 \global \advance \@colht \@tempdima
7705 \ifdim \@colht<2.5\baselineskip
7706     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7707                               too tall on page \thepage (2 stulpelis)}%
7708     \@emptycol
7709     \if@firstcolumn
7710     \else
7711         \@emptycol
7712     \fi
7713     \global\@lastvipertrue
7714 \else
7715     \global \vsize \@colht
7716     \global \@colroom \@colht
7717     \check@floats
7718     \ifdim\@tempdima>\z@
7719         \global\advance\@colroom by-\@tempdima
7720     \fi

```



```

7721         \ifdim\@colroom<\z@
7722             \global\@colroom 1pt
7723             \ifdim\@tempdima>\@colht
7724                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7725                     netelpe lape \thepage (2 stulpelis))}%
7726             \fi
7727             \@emptycol
7728             \if@firstcolumn
7729             \else
7730                 \@emptycol
7731             \fi
7732             \global\@lastvipertrue
7733         \fi
7734     \fi
7735 \fi
7736 \fi
7737 \if@insert
7738 \else
7739     \advance\@tempdima by-\ht\hold@viper
7740     \global \advance \@colht \@tempdima
7741     \global\setbox\hold@viper \vbox {%
7742                                     \unvbox\hold@viper
7743                                     \csname viper@top@hook\endcsname
7744                                     \vsplit\@viper to \@colht
7745                                     \vss
7746                                     }%
7747     \vbox{}}%
7748     \global\@firstcolumnfalse
7749     \newpage
7750 \fi
7751 }

```

45 File cvthemebidicasual.sty

```

7752 \NeedsTeXFormat{LaTeX2e}
7753 \ProvidesPackage{cvthemebidicasual}
7754 \DeclareOption{blue}{}
7755 \newif\if@colourorange\@colourorangefalse
7756 \DeclareOption{orange}{\@colourorangetrue}
7757 \newif\if@colourgreen\@colourgreenfalse
7758 \DeclareOption{green}{\@colourgreentrue}
7759 \newif\if@colourred\@colourredfalse
7760 \DeclareOption{red}{\@colourredtrue}
7761 \newif\if@colourgrey\@colourgreyfalse
7762 \DeclareOption{grey}{\@colourgreytrue}
7763 \DeclareOption*{
7764     \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
7765 \ExecuteOptions{colour}
7766 \ProcessOptions\relax
7767 \renewcommand*{\listitemsymbol}{\textbullet}

```



```

7768 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7769 \familynamecolour{808080}
7770 \firstnamecolour{A9A9A9}
7771 \quotecolour{696969}
7772 \addresscolour{696969}
7773 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7774 \sectiontitlecolour{1E90FF}
7775 \subsectioncolour{4682B4}
7776 \definecolor{rulecolour}{gray}{0.6}
7777 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7778 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7779 \if@colouorange
7780 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7781 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7782 \sectiontitlecolour{FF8C00}
7783 \subsectioncolour{FF8C00}
7784 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7785 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7786 \if@colourgreen
7787 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7788 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7789 \sectiontitlecolour{008000}
7790 \subsectioncolour{008000}
7791 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7792 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7793 \if@coloured
7794 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7795 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7796 \sectiontitlecolour{FF0000}
7797 \subsectioncolour{FF0000}
7798 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7799 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7800 \if@colourgrey
7801 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7802 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7803 \sectiontitlecolour{808080}
7804 \subsectioncolour{808080}
7805 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7806 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7807 \renewcommand*{\ttdefault}{pcr}
7808 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7809 \renewcommand*{\familynamefont}{\firstnamefont}
7810 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7811 \renewcommand*{\quote font}{\large\slshape}
7812 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7813 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7814 \renewcommand*{\maketitle}{%
7815   {%
7816     \ifthenelse{\isundefined{\@photo}}{%
7817       {}%

```



```

7818      {{\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}}%
7819      \hfill%
7820      \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7821      {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
7822      \ifthenelse{\isundefined{\@quote}}{%
7823        {%
7824          \centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.5em]}%
7825        }%
7826      \newif\if@firstfooterelement\@firstfooterelementtrue
7827      \providecommand*\footersymbol{}
7828      \renewcommand*\footersymbol{}
7829      \if@firstfooterelement%
7830        \else%
7831          {~~\color{footersymbolcolor}\textbullet~~}\fi}
7832      \providecommand*\makefooter{}
7833      \renewcommand*\makefooter{}
7834      \fancypagestyle{plain}{%
7835        \fancyfoot[c]{%
7836          \parbox{0.8\textwidth}{%
7837            \centering%
7838            \addressfont\@addresscolour%
7839            \ifthenelse{\isundefined{\@address}}{}{}%
7840            \addresssymbol~\@address\\%
7841            \@firstfooterelementfalse}%
7842            \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7843            \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7844            \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7845            \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emailink{\@email}\@firstfooterelementfalse}%
7846            \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
7847          }%
7848          \pagestyle{plain}}
7849      \AtBeginDocument{\makefooter}

```

46 File cvthemebidiclassic.sty

```

7850 \NeedsTeXFormat{LaTeX2e}
7851 \ProvidesPackage{cvthemebidiclassic}
7852 \DeclareOption{blue}{}
7853 \newif\if@colourorange\@colourorangefalse
7854 \DeclareOption{orange}{\@colourorange>true}
7855 \newif\if@colourgreen\@colourgreenfalse
7856 \DeclareOption{green}{\@colourgreentruer}
7857 \newif\if@colourred\@colourredfalse
7858 \DeclareOption{red}{\@colourredtrue}
7859 \newif\if@colourgrey\@colourgreyfalse
7860 \DeclareOption{grey}{\@colourgreytrue}
7861 \DeclareOption*{
7862   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7863 \ExecuteOptions{colour}
7864 \ProcessOptions\relax

```



```

7865 \renewcommand*{\listitemsymbol}{\textbullet}
7866 \firstnamecolour{}
7867 \familynamecolour{}
7868 \titlecolour{808080}
7869 \quotecolour{696969}
7870 \addresscolour{696969}
7871 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7872 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7873 \sectiontitlecolour{1E90FF}
7874 \subsectioncolour{4682B4}
7875 \if@colourorange
7876 \addresscolour{FF8C00}
7877 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7878 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7879 \sectiontitlecolour{FF8C00}
7880 \subsectioncolour{FF8C00}\fi
7881 \if@colourgreen
7882 \addresscolour{008000}
7883 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7884 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7885 \sectiontitlecolour{008000}
7886 \subsectioncolour{008000}\fi
7887 \if@coloured
7888 \addresscolour{FF0000}
7889 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7890 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7891 \sectiontitlecolour{FF0000}
7892 \subsectioncolour{FF0000}\fi
7893 \if@colourgrey
7894 \addresscolour{808080}
7895 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7896 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7897 \sectiontitlecolour{808080}
7898 \subsectioncolour{808080}\fi
7899 \renewcommand*{\ttdefault}{pcr}
7900 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7901 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7902 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7903 \renewcommand*{\familynamefont}{\firstnamefont}
7904 \renewcommand*{\quote font}{\large\slshape}
7905 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7906 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7907 \newlength{\maketitlenamemaxwidth}
7908 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
7909 \newlength{\maketitlenamefullwidth}
7910 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname-}\familynamestyle{\@familyname}}
7911 \newlength{\maketitlenamewidth}
7912 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}\fi
7913 \newlength{\maketitlepicturewidth}
7914 \setlength{\maketitlepicturewidth}{\@photowidth}

```



```

7915 \newlength{\maketitledetailswidth}
7916 \renewcommand*{\recomputethemelengths}{%
7917   \setlength{\maketitledetailswidth}{\textwidth}%
7918   \addtolength{\maketitledetailswidth}{-\maketitlenamewidth}%
7919   \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
7920   \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}}
7921 \recomputethemelengths
7922 \newif\if@firstdetailselement\@firstdetailselementtrue
7923 \newcommand*{\maketitledetailsnewline}{
7924   \if@firstdetailselement%
7925     \@firstdetailselementfalse%
7926   \else%
7927     \[\.2em]\fi}
7928 \renewcommand*{\maketitle}{%
7929   % name and title
7930   \begin{minipage}[b]{\maketitlenamewidth}%
7931     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7932     \ifthenelse{\equal{\@title}{}}{\}\{\}\[1.25em]\titlestyle{\@title}}%
7933   \end{minipage}%
7934   % optional data
7935   \begin{minipage}[b]{\maketitledetailswidth}%
7936     \bidi@raggedleft\addressfont\@addresscolour%
7937     \ifthenelse{\isundefined{\@address}}{\}\{\}%
7938       \maketitledetailsnewline%
7939       \addresssymbol~\@address}%
7940     \ifthenelse{\isundefined{\@mobile}}{\}\{\}\maketitledetailsnewline\mobilesymbol~\@mobile}%
7941     \ifthenelse{\isundefined{\@phone}}{\}\{\}\maketitledetailsnewline\phonesymbol~\@phone}%
7942     \ifthenelse{\isundefined{\@fax}}{\}\{\}\maketitledetailsnewline\faxsymbol~\@fax}%
7943     \ifthenelse{\isundefined{\@email}}{\}\{\}\maketitledetailsnewline\emailsymbol~\@email}%
7944     \ifthenelse{\isundefined{\@extrainfo}}{\}\{\}\maketitledetailsnewline\@extrainfo}%
7945   \end{minipage}%
7946   % optional photo
7947   \ifthenelse{\isundefined{\@photo}}{\}\{\}%
7948     {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitlephoto]{\@photo}}}%
7949   % optional quote
7950   \ifthenelse{\isundefined{\@quote}}{\}\{\}%
7951     {\}%
7952     {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}\[1.25em]}%
7953   \end{minipage}%
7954 }

```

47 File dblfnote-xetex-bidi.def

```

7955 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
7956 \let\autofootnoterule\relax
7957 \let\rightfootnoterule\relax
7958 \let\leftfootnoterule\relax
7959 \let\textwidthfootnoterule\relax
7960 \let\LRfootnoterule\relax
7961 \def\footnoterule{\kern-3\p@

```



```

7962 \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7963 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7964 \let\@footnotetext\dfn@footnotetext}
7965 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
7966   \let\insert\dfn@gobble
7967   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7968   \def\@makefnmark{\smash{\dfn@makefnmark}}
7969   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7970   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7971   \ifdim\dfn@dima>\z@ \else
7972     \dfn@dima1sp\relax
7973     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7974   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7975     \ifvoid\dfn@ins\else
7976       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7977     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7978   \setbox\dfn@boxa\copy\dfn@ins
7979   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7980   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7981   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7982   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7983   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7984 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7985 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7986 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
7987   \let\insert\dfn@gobble
7988   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7989   \def\@makefnmark{\smash{\dfn@makefnmark}}
7990   \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7991   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7992   \ifdim\dfn@dima>\z@ \else
7993     \dfn@dima1sp\relax
7994     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7995   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7996     \ifvoid\dfn@ins\else
7997       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7998     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7999   \setbox\dfn@boxa\copy\dfn@ins
8000   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8001   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
8002   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
8003   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
8004   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
8005 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
8006 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
8007 \def\dfn@RTLmakecol{\ifvoid\footins\else
8008   \dfn@dima\ht\footins
8009   \@tempcnta\z@ \dfn@countins
8010   \@tempdima\z@ \let\@elt\dfn@elt@getht
8011   \dfn@list\@nil

```



```

8012 \ifdim\@tempdima=\z@\else
8013 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
8014 \global\setbox\dfn@ins\box\dfn@ins
8015 \@tempswatrue
8016 \ifdfn@trysingle
8017 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
8018 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
8019 \advance\@tempdima-\skip\footins
8020 \advance\@tempdima-\ht\dfn@boxa
8021 \ifdim\@tempdima<\z@\else \@tempswafalse
8022 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
8023 \footnoterule \unvbox\dfn@boxa}\fi\fi
8024 \if@tempswa
8025 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8026 \global\setbox\footins\vbox{\hbox{%
8027 \hskip \DFNcolumnwidth
8028 \hskip\DFNcolumnsep
8029 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
8030 \unvbox\dfn@boxb\vss}\hss}
8031 \hskip -\textwidth
8032 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
8033 \vbox to\@tempdima{
8034 \setbox\@tempboxa\vbox{\footnoterule}
8035 \ifdfn@ruleboth \unvbox\@tempboxa
8036 \else \@tempdima\ht\@tempboxa
8037 \advance\@tempdima\dp\@tempboxa
8038 \vskip\@tempdima
8039 \prevdepth\dp\@tempboxa \fi
8040 \unvbox\dfn@boxa\vss}\fi\hss}
8041 \hskip \DFNcolumnsep
8042 \hskip \DFNcolumnwidth}}\fi\fi
8043 \global\dfn@fnht\z@
8044 \ifx\dfn@list\@empty\else
8045 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
8046 \dfn@list \global\advance\dfn@fnht\dfn@dimb
8047 \let\@elt\relax
8048 \ifdim\dfn@dimb>\z@
8049 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
8050 \insert\footins{\floatingpenalty\@MM
8051 \vbox to\dfn@dimb{}}\fi
8052 \ifdim\dfn@fnht>\@tempdima
8053 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
8054 \global\dfn@fnht\@tempdima
8055 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
8056 \xdef\dfn@afteroutput{\insert\footins{
8057 \floatingpenalty\@MM
8058 \vbox to\number\@tempdimb sp{}}}%
8059 \global\let\noexpand\dfn@afteroutput\relax}%
8060 \fi\fi
8061 \fi}%

```




```

8062 \let\footnoterule\relax \dfn@latex@makecol
8063 \let\footnoterule\dfn@footnoterule}
8064 \def\dfn@LTRmakecol{\ifvoid\footins\else
8065 \dfn@dima\ht\footins
8066 \@tempcnta\z@ \dfn@countins
8067 \@tempdima\z@ \let\@elt\dfn@elt@getht
8068 \dfn@list\@nil
8069 \ifdim\@tempdima=\z@\else
8070 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
8071 \global\setbox\dfn@ins\box\dfn@ins
8072 \@tempswatrue
8073 \ifdfn@trysingle
8074 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
8075 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
8076 \advance\@tempdima-\skip\footins
8077 \advance\@tempdima-\ht\dfn@boxa
8078 \ifdim\@tempdima<\z@\else \@tempswafalse
8079 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
8080 \footnoterule \unvbox\dfn@boxa}\fi\fi
8081 \if@tempswa
8082 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8083 \global\setbox\footins\vbox{\hbox{%
8084 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
8085 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
8086 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
8087 \vbox to\@tempdima{
8088 \setbox\@tempboxa\vbox{\footnoterule}
8089 \ifdfn@ruleboth \unvbox\@tempboxa
8090 \else \@tempdima\ht\@tempboxa
8091 \advance\@tempdima\dp\@tempboxa
8092 \vskip\@tempdima
8093 \prevdepth\dp\@tempboxa \fi
8094 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
8095 \global\dfn@fnht\z@
8096 \ifx\dfn@list\@empty\else
8097 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
8098 \dfn@list \global\advance\dfn@fnht\dfn@dimb
8099 \let\@elt\relax
8100 \ifdim\dfn@dimb>\z@
8101 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
8102 \insert\footins{\floatingpenalty\@MM
8103 \vbox to\dfn@dimb{}}\fi
8104 \ifdim\dfn@fnht>\@tempdima
8105 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
8106 \global\dfn@fnht\@tempdima
8107 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
8108 \xdef\dfn@afteroutput{\insert\footins{
8109 \floatingpenalty\@MM
8110 \vbox to\number\@tempdimb sp{}}}%
8111 \global\let\noexpand\dfn@afteroutput\relax}%

```



```

8112          \fi\fi
8113          \fi}%
8114          \let\footnoterule\relax \dfn@latex@makecol
8115          \let\footnoterule\dfn@footnoterule}
8116 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
8117 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
8118 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
8119 \DFNalwaysdouble

```

48 File diagbox-xetex-bidi.def

```

8120 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package for
8121 \bidi@patchcmd{\diagbox@double}{%
8122   \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8123 }{\bidi@@diagbox@double@ii}{%}
8124 \bidi@patchcmd{\diagbox@double}{%
8125   \begin{tabular}{@{}}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
8126 }{\bidi@@diagbox@double@iii}{%}
8127 \newcommand*{\bidi@@diagbox@double@ii}{%
8128   \if@RTL
8129     \begin{tabular}{@{}}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
8130   \else
8131     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8132   \fi
8133 }
8134 \newcommand*{\bidi@@diagbox@double@iii}{%
8135   \if@RTL
8136     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8137   \else
8138     \begin{tabular}{@{}}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
8139   \fi
8140 }
8141 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8142   \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8143 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%}
8144 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8145   \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8146 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%}
8147 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8148   \begin{tabular}{@{}}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
8149 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%}
8150 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
8151   \if@RTL
8152     \begin{tabular}{@{}}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
8153   \else
8154     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8155   \fi
8156 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
8157   \if@RTL
8158     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}

```



```

8159 \else
8160 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}%
8161 \fi}
8162 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
8163 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8164 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
8165 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
8166 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8167 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8168 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
8169 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8170 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8171 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
8172 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
8173 \if@RTL
8174 \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}%
8175 \else
8176 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
8177 \fi
8178 }
8179 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
8180 \if@RTL
8181 \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
8182 \else
8183 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8184 \fi
8185 }
8186 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
8187 \bidi@patchcmd{\diagbox@double@pict@SE}{%
8188 \diagbox@setlinecolor
8189 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
8190 }{%
8191 {\diagbox@setlinecolor
8192 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
8193 }{}{}
8194 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
8195 \bidi@patchcmd{\diagbox@double@pict@NE}{%
8196 \diagbox@setlinecolor
8197 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
8198 }{%
8199 {\diagbox@setlinecolor
8200 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
8201 }{}{}
8202 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
8203 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
8204 \diagbox@setlinecolor
8205 \Line(0,\yym)(\x,0)
8206 \Line(\xm,\y)(\x,0)%
8207 }{%
8208 {\diagbox@setlinecolor

```



```

8209 \Line(0,\yym)(\x,0)
8210 \Line(\xm,\y)(\x,0)}%
8211 }{}{}
8212 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
8213 \diagbox@setlinecolor
8214 \Line(0,0)(\xxm,\y)
8215 \Line(0,0)(\x,\yym)%
8216 }{%
8217 {\diagbox@setlinecolor
8218 \Line(0,0)(\xxm,\y)
8219 \Line(0,0)(\x,\yym)}%
8220 }{}{}
8221 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
8222 \diagbox@setlinecolor
8223 \Line(0,\ym)(\x,\y)
8224 \Line(\xm,0)(\x,\y)%
8225 }{%
8226 {\diagbox@setlinecolor
8227 \Line(0,\ym)(\x,\y)
8228 \Line(\xm,0)(\x,\y)}%
8229 }{}{}
8230 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
8231 \diagbox@setlinecolor
8232 \Line(0,\y)(\xxm,0)
8233 \Line(0,\y)(\x,\ym)%
8234 }{%
8235 {\diagbox@setlinecolor
8236 \Line(0,\y)(\xxm,0)
8237 \Line(0,\y)(\x,\ym)}%
8238 }{}{}

```

49 File draftwatermark-xetex-bidi.def

```

8239 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
8240 \renewcommand\SetWatermarkText[1]{%
8241 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

50 File eso-pic-xetex-bidi.def

```

8242 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package]
8243 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
8244 \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}}
8245
8246 \ESO@isMEMOIR{%
8247 \renewcommand\AtTextUpperLeft[1]{%
8248 \begingroup
8249 \ifodd\c@page
8250 \@tempdima=\spinemargin
8251 \else
8252 \@tempdima=\paperwidth

```



```

8253      \advance\@tempdima-\textwidth
8254      \advance\@tempdima-\spinemargin
8255      \fi
8256      \@tempdimb=-\uppermargin
8257      \AtPageUpperLeft{%
8258        \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8259      }%
8260      \endgroup
8261    }
8262  }{%
8263    \renewcommand\AtTextUpperLeft[1]{%
8264      \begingroup
8265        \@tempdima=1in\relax
8266        \ifodd\c@page
8267          \advance\@tempdima\oddsidemargin
8268        \else
8269          \advance\@tempdima\evensidemargin
8270        \fi
8271        \@tempdimb=-1in\relax
8272        \advance\@tempdimb-\topmargin
8273        \advance\@tempdimb-\headheight
8274        \advance\@tempdimb-\headsep
8275        \AtPageUpperLeft{%
8276          \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8277        }%
8278        \endgroup
8279      }
8280    }

```

51 File empheq-xetex-bidi.def

```

8281 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for X
8282 \MHInternalSyntaxOn
8283 \def\EQ_tag_plus_endmark:{%
8284   \iftagsleft@
8285     \gdef\maketag@@@##1{%
8286       \hfuzz\displaywidth
8287       \if@RTL\makebox[\widthof{##1}][r]{%
8288         \hbox to \displaywidth{\m@th\normalfont##1\hss
8289           \raisebox{-\dp\EQ_mathdisplay_box
8290             -\depthof{\EQ_outerbox:}}{
8291               {\PotEndMark{\hss}}}}
8292       \else\makebox[\widthof{##1}][l]{%
8293         \hbox to \displaywidth{\m@th\normalfont##1\hss
8294           \raisebox{-\dp\EQ_mathdisplay_box
8295             -\depthof{\EQ_outerbox:}}{
8296               {\PotEndMark{\hss}}}}\fi}%
8297   \MH_else:
8298     \gdef\maketag@@@##1{%
8299       \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{

```



```

8300 \settoheight{\@tempdima}{\@nameuse{InTheoType Symbol}}%
8301 \MH_addtolength:dn \@tempdima
8302 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
8303 \setlength{\@tempdimb}
8304 {\g_EQ_bottomrow_depth_dim+\depthof{EQ_outerbox:}}
8305 +\depthof{EQ_innerbox:}}
8306 \MH_if_dim:w \@tempdima>\@tempdimb
8307 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
8308 -\@tempdima+\g_EQ_bottomrow_depth_dim}
8309 \addtolength{\@tempdima}{\depthof{EQ_innerbox:}}%
8310 \def\EQ_next:{\raisebox{\@tempdima}}%
8311 \MH_else:
8312 \def\EQ_next:{
8313 \raisebox{-\dp\EQ_mathdisplay_box
8314 -\depthof{EQ_outerbox:}}}%
8315 \MH_fi:\EQ_next:}}%
8316 \MH_fi:}
8317 \def\EQ_post_process:{%
8318 \EQ_initialize:
8319 \EQ_begin_equation:
8320 \MH_if_boolean:nT {outer_mult}{
8321 \setkeys{MT_options_name}{
8322 firstline-afterskip=0pt,
8323 lastline-preskip=0pt,
8324 multlined-width=0pt,
8325 }
8326 \ifodd \l_EQ_alignmentmode_int
8327 \setkeys{MT_options_name}{multlined-pos=b}
8328 \MH_else:
8329 \setkeys{MT_options_name}{multlined-pos=t}
8330 \MH_fi:
8331 \g@addto@macro\EQ_complete_mathdisplay:{
8332 \begin{MTmultlined}\relax}
8333 }
8334 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
8335 \MH_if_boolean:nT {outer_mult}{
8336 \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
8337 }
8338 \EQ_end_equation:
8339 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
8340 \savecounters@
8341 \EQ_typeset_tags:
8342 \edef\l_EQ_equation_fint{\number\c@equation}
8343 \restorecounters@
8344 \Hy@linkcounter=\EQ_hyperref_link_fint
8345 \settowidth\l_EQ_totalwidth_dim{%
8346 $\EQ_left_side:EQ_innerbox:}\EQ_right_side:$}%
8347 \MH_if_boolean:nTF {outer_mult}
8348 { \def\EQ_next:{_mult} }
8349 { \def\EQ_next:{} }

```



```

8350 \@nameuse{EQ_modify_linewidth_
8351         \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
8352 \EQ_typeset_display:
8353 \@nameuse{EQ_find_displaywidth_
8354         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8355 \MH_addtolength:dn
8356   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
8357 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
8358   $\EQ_left_side:
8359   \EQ_innerbox:{%
8360     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
8361     \makebox[\l_EQ_displaywidth_dim][c]
8362     {\usebox{\EQ_mathdisplay_box}}}%
8363   \MH_or:
8364     \makebox[\l_EQ_displaywidth_dim][c]
8365     {\usebox{\EQ_mathdisplay_box}}}%
8366   \MH_or:
8367   \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8368     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8369     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8370     \kern-\@mathmargin
8371     \MH_fi:
8372     \MH_fi:
8373     \usebox{\EQ_mathdisplay_box}}}%
8374   \else\makebox[\l_EQ_displaywidth_dim][l]{%
8375     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8376     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8377     \kern-\@mathmargin
8378     \MH_fi:
8379     \MH_fi:
8380     \usebox{\EQ_mathdisplay_box}}\fi%
8381   \MH_or:
8382   \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8383     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8384     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8385     \kern-\@mathmargin
8386     \MH_fi:
8387     \MH_fi:
8388     \usebox{\EQ_mathdisplay_box}}
8389   \else\makebox[\l_EQ_displaywidth_dim][l]{%
8390     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8391     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8392     \kern-\@mathmargin
8393     \MH_fi:
8394     \MH_fi:
8395     \usebox{\EQ_mathdisplay_box}}\fi%
8396   \MH_fi:}%
8397   \EQ_right_side:$}%
8398 \begin{AmSequation*}
8399 \@nameuse{EQ_place_display_

```



```

8400      \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8401 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8402 \MH_set_boolean_T:n {show_manual_tags}
8403   \MH_if_case:w \l_EQ_alignmentmode_int
8404   \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
8405   \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
8406   \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
8407   \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
8408   \MH_fi:
8409 \MH_fi:
8410 \end{AmSequation*}
8411 \global\c@equation=\l_EQ_equation_fint\relax
8412 }
8413 \AtBeginDocument{%
8414   \@ifpackageloaded{fancybox}{%
8415     \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
8416     {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}%
8417       \renewcommand*{\shadowbox{%
8418         \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
8419           \VerbBox\EQ_shadowbox:n}
8420         {\MH_set_boolean_F:n {shadowbox_star}
8421           \VerbBox\EQ_shadowbox:n}}
8422       \def\EQ_shadowbox:n #1{%
8423         \sbox{\z@}{\fbox{#1}}}%
8424       \MH_if_boolean:nTF {shadowbox_star}{
8425         \MH_setlength:dn \@tempdima{\z@}%
8426       }{
8427         \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
8428       }
8429       \raisebox{\@tempdima}{%
8430         \if@RTL\makebox[\z@][r]{%
8431           \kern\shadowsize \textcolor{shadowcolor}{%
8432             \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
8433         }%
8434         \else\makebox[\z@][l]{%
8435           \kern\shadowsize \textcolor{shadowcolor}{%
8436             \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
8437         }\fi%
8438         \usebox\z@\textcolor{shadowcolor}{%
8439           \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
8440       }{}%
8441 }
8442 \MHInternalSyntaxOff

```

52 File extarticle-xetex-bidi.def

```

8443 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle class]
8444 \renewcommand*{\l@section[2]{%
8445   \ifnum \c@tocdepth >\z@
8446     \addpenalty\@secpenalty

```




```

8447 \addvspace{1.0em \@plus\p@}%
8448 \setlength\@tempdima{1.5em}%
8449 \beginingroup
8450 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8451 \parfillskip -\@pnumwidth
8452 \leavevmode \bfseries
8453 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
8454 \hskip -\if@RTL\rightskip\else\leftskip\fi
8455 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8456 \endgroup
8457 \fi}
8458 \renewcommand*\l@part[2]{%
8459 \ifnum \c@tocdepth >-2\relax
8460 \addpenalty\@secpenalty
8461 \addvspace{2.25em \@plus\p@}%
8462 \beginingroup
8463 \setlength\@tempdima{3em}%
8464 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8465 \parfillskip -\@pnumwidth
8466 {\leavevmode
8467 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8468 \nobreak
8469 \endgroup
8470 \fi}
8471 \def\@part[#1]#2{%
8472 \ifnum \c@secnumdepth >\m@ne
8473 \refstepcounter{part}%
8474 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8475 \else
8476 \addcontentsline{toc}{part}{#1}%
8477 \fi
8478 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8479 \interlinepenalty \@M
8480 \normalfont
8481 \ifnum \c@secnumdepth >\m@ne
8482 \Large\bfseries \partname~\thepart
8483 \par\nobreak
8484 \fi
8485 \huge \bfseries #2%
8486 \markboth{}{}\par}%
8487 \nobreak
8488 \vskip 3ex
8489 \@afterheading}
8490 \def\@spart#1{%
8491 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8492 \interlinepenalty \@M
8493 \normalfont
8494 \huge \bfseries #1\par}%
8495 \nobreak
8496 \vskip 3ex

```



```

8497 \afterheading}
8498 \renewenvironment{thebibliography}[1]
8499   {\section*{\refname
8500     \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
8501     \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
8502     \bidi@thebibliography@font@hook%
8503     \list{\@biblabel{\@arabic\c@enumiv}}%
8504     {\settowidth\labelwidth{\@biblabel{#1}}%
8505      \leftmargin\labelwidth
8506      \advance\leftmargin\labelsep
8507      \@openbib@code
8508      \usecounter{enumiv}%
8509      \let\p@enumiv\@empty
8510      \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8511     \sloppy\clubpenalty4000\widowpenalty4000%
8512     \sfcode`.\@m}
8513   {\def\@noitemerr
8514     {\@latex@warning{Empty `thebibliography' environment}}%
8515     \endlist}
8516 \renewcommand\left@footnoterule{%
8517   \kern-3\p@
8518   \hrule\@width.4\columnwidth
8519   \kern2.6\p@}
8520 \renewcommand\right@footnoterule{%
8521   \kern-3\p@
8522   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8523   \kern2.6\p@}
8524   \if@titlepage
8525 \renewcommand\maketitle{\begin{titlepage}%
8526 \let\footnotesize\small
8527 \let\right@footnoterule\relax
8528 \let\left@footnoterule\relax
8529 \let\textwidth\footnoterule\relax
8530 \let \footnote \thanks
8531 \null\vfil
8532 \vskip 60\p@
8533 \begin{center}%
8534   {\LARGE \@title \par}%
8535   \vskip 3em%
8536   {\large
8537     \lineskip .75em%
8538     \begin{tabular}[t]{c}%
8539       \@author
8540     \end{tabular}\par}%
8541     \vskip 1.5em%
8542     {\large \@date \par}%           % Set date in \large size.
8543 \end{center}\par
8544 \@thanks
8545 \vfil\null
8546 \end{titlepage}%

```



```

8547 \setcounter{footnote}{0}%
8548 \global\let\thanks\relax
8549 \global\let\maketitle\relax
8550 \global\let\@thanks\@empty
8551 \global\let\@author\@empty
8552 \global\let\@date\@empty
8553 \global\let\@title\@empty
8554 \global\let\title\relax
8555 \global\let\author\relax
8556 \global\let\date\relax
8557 \global\let\and\relax
8558 }
8559 \else
8560 \renewcommand\maketitle{\par
8561 \beginingroup
8562 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8563 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8564 \long\def\@makefntext##1{\parindent 1em\noindent
8565 \hb@xt@1.8em{%
8566 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8567 \if@twocolumn
8568 \ifnum \col@number=\@ne
8569 \@maketitle
8570 \else
8571 \twocolumn[\@maketitle]%
8572 \fi
8573 \else
8574 \newpage
8575 \global\@topnum\z@ % Prevents figures from going at top of page.
8576 \@maketitle
8577 \fi
8578 \thispagestyle{plain}\@thanks
8579 \endgroup
8580 \setcounter{footnote}{0}%
8581 \global\let\thanks\relax
8582 \global\let\maketitle\relax
8583 \global\let\@maketitle\relax
8584 \global\let\@thanks\@empty
8585 \global\let\@author\@empty
8586 \global\let\@date\@empty
8587 \global\let\@title\@empty
8588 \global\let\title\relax
8589 \global\let\author\relax
8590 \global\let\date\relax
8591 \global\let\and\relax
8592 }
8593 \def\@maketitle{%
8594 \newpage
8595 \null
8596 \vskip 2em%

```



```

8597 \begin{center}%
8598 \let \footnote \thanks
8599   {\LARGE \@title \par}%
8600   \vskip 1.5em%
8601   {\large
8602     \lineskip .5em%
8603     \begin{tabular}[t]{c}%
8604       \@author
8605     \end{tabular}\par}%
8606   \vskip 1em%
8607   {\large \@date}%
8608 \end{center}%
8609 \par
8610 \vskip 1.5em}
8611 \fi
8612 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
8613 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8614 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8615 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

53 File extbook-xetex-bidi.def

```

8616 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for X
8617 \if@titlepage
8618 \renewcommand\maketitle{\begin{titlepage}%
8619 \let\footnotesize\small
8620 \let\right@footnoterule\relax
8621 \let\left@footnoterule\relax
8622 \let\textwidth@footnoterule\relax
8623 \let \footnote \thanks
8624 \let \LTRfootnote \LTRthanks
8625 \let \RTLfootnote \RTLthanks
8626 \null\vfil
8627 \vskip 60\p@
8628 \begin{center}%
8629   {\LARGE \@title \par}%
8630   \vskip 3em%
8631   {\large
8632     \lineskip .75em%
8633     \begin{tabular}[t]{c}%
8634       \@author
8635     \end{tabular}\par}%
8636   \vskip 1.5em%
8637   {\large \@date \par}%           % Set date in \large size.
8638 \end{center}\par
8639 \@thanks
8640 \vfil\null
8641 \end{titlepage}%
8642 \setcounter{footnote}{0}%
8643 \global\let\thanks\relax

```



```

8644 \global\let\LTRthanks\relax
8645 \global\let\RTLthanks\relax
8646 \global\let\maketitle\relax
8647 \global\let\@thanks\@empty
8648 \global\let\@author\@empty
8649 \global\let\@date\@empty
8650 \global\let\@title\@empty
8651 \global\let\title\relax
8652 \global\let\author\relax
8653 \global\let\date\relax
8654 \global\let\and\relax
8655 }
8656 \else
8657 \renewcommand\maketitle{\par
8658   \begingroup
8659     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8660     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8661     \long\def\@makefntext##1{\parindent 1em\noindent
8662       \hb@xt@1.8em{%
8663         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8664     \if@twocolumn
8665       \ifnum \col@number=\@ne
8666         \@maketitle
8667       \else
8668         \twocolumn[\@maketitle]%
8669       \fi
8670     \else
8671       \newpage
8672       \global\@topnum\z@ % Prevents figures from going at top of page.
8673       \@maketitle
8674     \fi
8675     \thispagestyle{plain}\@thanks
8676   \endgroup
8677   \setcounter{footnote}{0}%
8678   \global\let\thanks\relax
8679   \global\let\LTRthanks\relax
8680   \global\let\RTLthanks\relax
8681   \global\let\maketitle\relax
8682   \global\let\@maketitle\relax
8683   \global\let\@thanks\@empty
8684   \global\let\@author\@empty
8685   \global\let\@date\@empty
8686   \global\let\@title\@empty
8687   \global\let\title\relax
8688   \global\let\author\relax
8689   \global\let\date\relax
8690   \global\let\and\relax
8691 }
8692 \def\@maketitle{%
8693   \newpage

```



```

8694 \null
8695 \vskip 2em%
8696 \begin{center}%
8697 \let \footnote \thanks
8698 \let \LTRfootnote \LTRthanks
8699 \let \RTLfootnote \RTLthanks
8700 {\LARGE \@title \par}%
8701 \vskip 1.5em%
8702 {\large
8703 \lineskip .5em%
8704 \begin{tabular}[t]{c}%
8705 \@author
8706 \end{tabular}\par}%
8707 \vskip 1em%
8708 {\large \@date}%
8709 \end{center}%
8710 \par
8711 \vskip 1.5em}
8712 \fi
8713 \renewcommand*\l@part[2]{%
8714 \ifnum \c@tocdepth >-2\relax
8715 \addpenalty{-\@highpenalty}%
8716 \addvspace{2.25em \@plus\p@}%
8717 \begingroup
8718 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \pnumwidth
8719 \parfillskip -\pnumwidth
8720 {\leavevmode
8721 \large \bfseries #1\hfil \hb@xt@\pnumwidth{\hss #2}}\par
8722 \nobreak
8723 \global\@nobreaktrue
8724 \everypar{\global\@nobreakfalse\everypar{}}%
8725 \endgroup
8726 \fi}
8727 \renewcommand\theequation
8728 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8729 \renewcommand \thefigure
8730 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8731 \renewcommand \thetable
8732 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8733 \renewcommand \thechapter {\@arabic\c@chapter}
8734 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8735 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8736 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8737 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8738 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8739 \def\@makechapterhead#1{%
8740 \vspace*{50\p@}%
8741 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8742 \ifnum \c@secnumdepth >\m@ne
8743 \if@mainmatter

```



```

8744         \huge\bfseries \@chapapp\space \thechapter
8745         \par\nobreak
8746         \vskip 20\p@
8747     \fi
8748 \fi
8749 \interlinepenalty\@M
8750 \Huge \bfseries #1\par\nobreak
8751 \vskip 40\p@
8752 }}
8753
8754 \def\@makeschapterhead#1{%
8755     \vspace*{50\p@}%
8756     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8757     \normalfont
8758     \interlinepenalty\@M
8759     \Huge \bfseries #1\par\nobreak
8760     \vskip 40\p@
8761 }}
8762 \renewcommand\backmatter{%
8763     \if@openright
8764         \cleardoublepage
8765     \else
8766         \clearpage
8767     \fi
8768     \@mainmatterfalse}
8769 \renewenvironment{thebibliography}[1]
8770     {\chapter*{\bibname
8771         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8772     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8773     \bidi@thebibliography@font@hook%
8774     \list{\@biblabel{\@arabic\c@enumiv}}%
8775         {\settowidth\labelwidth{\@biblabel{#1}}%
8776         \leftmargin\labelwidth
8777         \advance\leftmargin\labelsep
8778         \@openbib@code
8779         \usecounter{enumiv}%
8780         \let\p@enumiv\@empty
8781         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8782     \sloppy
8783     \clubpenalty4000
8784     \@clubpenalty \clubpenalty
8785     \widowpenalty4000%
8786     \sfcode`\.\@m}
8787 {\def\@noitemerr
8788     {\@latex@warning{Empty `thebibliography' environment}}}%
8789 \endlist}

```

54 File extletter-xetex-bidi.def

8790 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]



```

8791 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
8792   \thispagestyle{firstpage}%
8793   {\if@RTL\raggedright\else\raggedleft\fi \@date\par}%
8794 \else % home address
8795   \thispagestyle{empty}%
8796   {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8797     \fromaddress \*[2\parskip]%
8798     \@date \end{tabular}\par}%
8799 \fi
8800 \vspace{2\parskip}%
8801 {\if@RTL\raggedleft\else\raggedright\fi \toname \\\ toaddress \par}%
8802 \vspace{2\parskip}%
8803 #1\par\nobreak}
8804 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8805   \stopbreaks
8806   \noindent
8807   \ifx\@empty\fromaddress\else
8808     \hspace*{\longindentation}\fi
8809   \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8810     \ignorespaces #1\[[6\medskipamount]%
8811     \ifx\@empty\fromsig
8812       \fromname
8813     \else \fromsig \fi\strut}%
8814   \par}
8815 \renewcommand\left@footnoterule{%
8816   \kern-\p@
8817   \hrule \@width .4\columnwidth
8818   \kern .6\p@}
8819 \renewcommand\right@footnoterule{%
8820   \kern-\p@
8821   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8822   \kern .6\p@}

```

55 File extrafootnotefeatures-xetex-bidi.def

```

8823 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2018/10/11 v1.7 bidi extra footnote features]
8824 \newif\if@bidi@void@footins
8825 \newif\if@bidi@void@mpfootins
8826 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
8827 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
8828 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
8829 \ifHy@hyperfootnotes
8830   \let\@H@footnotetext\@footnotetext
8831   \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
8832   \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
8833   \let\@H@mpfootnotetext\@mpfootnotetext
8834   \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8835   \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8836 \fi
8837 }%

```




```

8838 }%
8839 }
8840 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
8841 \if@bidi@csundef{ifHy@hyperfootnotes}{}%
8842 \if@bidi@csundef{HLTR@LTRfootnotetext}{}%
8843 \ifHy@hyperfootnotes
8844 \let\H@@footnotetext\@footnotetext
8845 \let\@footnotetext\@H@@footnotetext
8846 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
8847 \let\@LTRfootnotetext\@HLTR@LTRfootnotetext
8848 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
8849 \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
8850 \let\H@mpfootnotetext\@mpfootnotetext
8851 \let\@mpfootnotetext\@H@mpfootnotetext
8852 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8853 \let\@mpLTRfootnotetext\@HLTR@mpLTRfootnotetext
8854 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8855 \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
8856 \fi
8857 }%
8858 }%
8859 }
8860 \let\autofootnoterule\relax
8861 \let\rightfootnoterule\relax
8862 \let\leftfootnoterule\relax
8863 \let\textwidthfootnoterule\relax
8864 \let\LRfootnoterule\relax
8865 \def\footnoterule{\kern-3\p@
8866 \hrule \@width \columnwidth \kern 2.6\p@}
8867 \newcommand{\@preamnormalfmt}{%
8868 \parindent 1em%
8869 \noindent
8870 }
8871 \newcommand{\@normalfootfmt}[1]{%
8872 \@preamnormalfmt
8873 \footfootmark
8874 \rule{z@footnotesep}{\ignorespaces{\foottextfont #1}%
8875 \@finalstrut\strutbox
8876 }
8877 \newcommand{\@normalRTLfootfmt}[1]{%
8878 \@preamnormalfmt
8879 \RTLfootfootmark
8880 \rule{z@footnotesep}{\ignorespaces{\RTLfoottextfont #1}%
8881 \@finalstrut\strutbox
8882 }
8883 \newcommand{\@normalLTRfootfmt}[1]{%
8884 \@preamnormalfmt
8885 \LTRfootfootmark
8886 \rule{z@footnotesep}{\ignorespaces{\LTRfoottextfont #1}%
8887 \@finalstrut\strutbox

```



```

8888 }
8889 \renewcommand{\@footnotetext}[1]{%
8890     \insert\footins{%
8891         \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8892         \def\baselinestretch{\m@m@footnote@spacing}%
8893         \reset@font
8894         \foottextfont
8895         \@preamfntext
8896         \hsize\columnwidth
8897         \protected@edef\@currentlabel{%
8898             \csname p@footnote\endcsname\@thefnmark}%
8899         \color@begingroup
8900         \@normalfootfmt{#1}%
8901         \color@endgroup}%
8902     \m@mmf@prepare}
8903 \renewcommand{\@RTLfootnotetext}[1]{%
8904     \insert\footins{%
8905         \@RTLtrue%
8906         \def\baselinestretch{\m@m@footnote@spacing}%
8907         \reset@font
8908         \RTLfoottextfont
8909         \@preamfntext
8910         \hsize\columnwidth
8911         \protected@edef\@currentlabel{%
8912             \csname p@footnote\endcsname\@thefnmark}%
8913         \color@begingroup
8914         \@normalRTLfootfmt{#1}%
8915         \color@endgroup}%
8916     \m@mmf@prepare}
8917 \renewcommand{\@LTRfootnotetext}[1]{%
8918     \insert\footins{%
8919         \@RTLfalse%
8920         \def\baselinestretch{\m@m@footnote@spacing}%
8921         \reset@font
8922         \LTRfoottextfont
8923         \@preamfntext
8924         \hsize\columnwidth
8925         \protected@edef\@currentlabel{%
8926             \csname p@footnote\endcsname\@thefnmark}%
8927         \color@begingroup
8928         \@normalLTRfootfmt{#1}%
8929         \color@endgroup}%
8930     \m@mmf@prepare}
8931 \renewcommand{\@mpfootnotetext}[1]{%
8932     \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8933         \unvbox\@mpfootins
8934         \def\baselinestretch{\m@m@footnote@spacing}%
8935         \reset@font%
8936         \foottextfont \hsize\columnwidth \@parboxrestore
8937         \protected@edef\@currentlabel{%

```



```

8938 \csname p@mpfootnote\endcsname\@thefnmark}%
8939 \color@begingroup
8940 \normalfootfmt{#1}%
8941 \color@endgroup}}
8942 \renewcommand{\@mpLTRfootnotetext}[1]{%
8943 \global\setbox\@mpfootins\vbox{\@RTLfalse%
8944 \unvbox\@mpfootins
8945 \def\baselinestretch{\m@m@footnote@spacing}%
8946 \reset@font%
8947 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8948 \protected@edef\@currentlabel{%
8949 \csname p@mpfootnote\endcsname\@thefnmark}%
8950 \color@begingroup
8951 \normalLTRfootfmt{#1}%
8952 \color@endgroup}}
8953 \renewcommand{\@mpRTLfootnotetext}[1]{%
8954 \global\setbox\@mpfootins\vbox{\@RTLtrue%
8955 \unvbox\@mpfootins
8956 \def\baselinestretch{\m@m@footnote@spacing}%
8957 \reset@font%
8958 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8959 \protected@edef\@currentlabel{%
8960 \csname p@mpfootnote\endcsname\@thefnmark}%
8961 \color@begingroup
8962 \normalRTLfootfmt{#1}%
8963 \color@endgroup}}
8964 \let\m@mold@footnotetext\@footnotetext
8965 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8966 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8967 \let\m@mold@mpfootnotetext\@mpfootnotetext
8968 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8969 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8970 \bidi@ensure@newcommand{\normalfootnotes}{%
8971 \@bidi@before@Hy@hyperfootnotes
8972 \let\@footnotetext\m@mold@footnotetext
8973 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8974 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8975 \let\@mpfootnotetext\m@mold@mpfootnotetext
8976 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8977 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
8978 \@bidi@after@Hy@hyperfootnotes
8979 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
8980 }
8981 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8982 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestru}
8983 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotesfalse}
8984 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
8985 \def\m@m@singlespace{#1}%
8986 \def\m@m@footnote@spacing{#1}%
8987 \def\m@m@float@spacing{#1} %

```



```

8988 }
8989 \setSingleSpace{1}
8990 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
8991 \bidi@ensure@newcommand*{\m@mmf@prepare}{%
8992   \kern-\multiplefootnotemarker
8993   \kern\multiplefootnotemarker\relax}
8994 \bidi@ensure@newlength{\footmarkwidth}
8995 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
8996 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8997 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8998 \bidi@ensure@newcommand{\footfootmark}{%
8999   \ifdim\footmarkwidth < \z@
9000     \llap{\hb@xt@ -\footmarkwidth{%
9001       \hss\normalfont\footscript{\@thefnmark}}}%
9002     \hspace*{-\footmarkwidth}}%
9003   \else
9004     \ifdim\footmarkwidth = \z@
9005       {\normalfont\footscript{\@thefnmark}}%
9006     \else
9007       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
9008     \fi
9009   \fi}
9010 \bidi@ensure@newcommand{\LTRfootfootmark}{%
9011   \ifdim\footmarkwidth < \z@
9012     \llap{\hb@xt@ -\footmarkwidth{%
9013       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
9014     \hspace*{-\footmarkwidth}}%
9015   \else
9016     \ifdim\footmarkwidth = \z@
9017       {\normalfont\LTRfootscript{\@thefnmark}}%
9018     \else
9019       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
9020     \fi
9021   \fi}
9022 \bidi@ensure@newcommand{\RTLfootfootmark}{%
9023   \ifdim\footmarkwidth < \z@
9024     \llap{\hb@xt@ -\footmarkwidth{%
9025       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
9026     \hspace*{-\footmarkwidth}}%
9027   \else
9028     \ifdim\footmarkwidth = \z@
9029       {\normalfont\RTLfootscript{\@thefnmark}}%
9030     \else
9031       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
9032     \fi
9033   \fi}
9034 \footmarkstyle{\textsuperscript{#1}}
9035 \LTRfootmarkstyle{\textsuperscript{#1}}
9036 \RTLfootmarkstyle{\textsuperscript{#1}}
9037 \newcommand*{\bidi@normal@footmarkwidth}{%

```



```

9038 \setlength{\footmarkwidth}{1em plus.4em minus.4em}%
9039 }
9040 \newcommand*{\bidi@star@footmarkwidth}{%
9041 \setlength{\footmarkwidth}{0em plus.4em minus.4em}%
9042 }
9043 \bidi@normal@footmarkwidth
9044 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
9045 \bidi@ensure@newcommand*{\extrafeetins}{%
9046 \setbox\@outputbox \vbox{%
9047 \boxmaxdepth \@maxdepth
9048 \unvbox\@outputbox
9049 \ifvoid\footinsv@r
9050 \ifvoid\footinsv@l
9051 \else
9052 \footstartv@l
9053 \LTRfootgroupv@l
9054 \fi
9055 \else
9056 \footstartv@r
9057 \footgroupv@r
9058 \ifvoid\footinsv@l
9059 \else
9060 \footstart@v@l
9061 \LTRfootgroupv@l
9062 \fi
9063 \fi
9064 \ifvoid\@bidi@copyins@
9065 \else
9066 \vskip \skip\@bidi@copyins@
9067 \color@begingroup
9068 \normalcolor
9069 \unvbox \@bidi@copyins@
9070 \color@endgroup
9071 \fi
9072 \extrafeetinshook}}
9073 \bidi@ensure@newcommand{\extrafeetinshook}{%
9074 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
9075 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
9076 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
9077 \bidi@ensure@newlength{\footinsdim}
9078 \setlength{\footinsdim}{8in} % standard for \dimen\footins
9079 \bidi@ensure@newcommand{\@preamfntext}{%
9080 \interlinepenalty\interfootnotelinepenalty
9081 \floatingpenalty \@MM
9082 \splittopskip=\footnotesep
9083 \splitmaxdepth=\dp\strutbox
9084 \@parboxrestore}
9085 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
9086 \extrafeetminihook}
9087 \bidi@ensure@newcommand{\extrafeetendmini}{%

```



```

9088 \ifvoid\@mpfootinsv@r
9089 \ifvoid\@mpfootinsv@l
9090 \else
9091 \vskip\skip\@mpfootins
9092 \normalcolor
9093 \if@bidi@void\@mpfootins
9094 \footnoterule
9095 \fi
9096 \mp@LTRfootgroupv@l
9097 \fi
9098 \else
9099 \vskip\skip\@mpfootins
9100 \normalcolor
9101 \if@bidi@void\@mpfootins
9102 \footnoterule
9103 \fi
9104 \mp@footgroupv@r
9105 \ifvoid\@mpfootinsv@l
9106 \else
9107 \vskip\skip\@mpfootins
9108 \normalcolor\mp@LTRfootgroupv@l
9109 \fi
9110 \fi
9111 \extrafeetendminihook}
9112 \bidi@ensure@newcommand{\extrafeetendminihook}{\}
9113 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
9114 \def\endminipage{%
9115 \par
9116 \unskip
9117 \ifvoid\@mpfootins
9118 \global\@bidi@void\@mpfootinstrue
9119 \else
9120 \global\@bidi@void\@mpfootinsfalse
9121 \vskip\skip\@mpfootins
9122 \normalcolor
9123 \footnoterule
9124 \unvbox\@mpfootins
9125 \fi
9126 \m@mdoextrafeetendmini
9127 \@minipagefalse
9128 \color@endgroup
9129 \egroup
9130 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
9131 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
9132 \namedef{\footstart#1}{%
9133 \bidi@mopfn@bottom
9134 \leftskip=\z@
9135 \rightskip=\z@
9136 \parindent=\z@
9137 \vskip\skip\footins

```



```

9138 \footnoterule}}
9139 \newinsert\footinsv@r
9140 \skip\footinsv@r\bigskipamount
9141 \count\footinsv@r=1000 % no magnification
9142 \dimen\footinsv@r=\footinsdim
9143 \m@make@footstart{v@r}
9144 \newinsert\footinsv@l
9145 \skip\footinsv@l\bigskipamount
9146 \bidi@ensure@newcommand{\@footgroupv@r}{}
9147 \newinsert\@mpfootinsv@r
9148 \newinsert\@mpfootinsv@l
9149 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
9150 \newcount\m@m@k \newdimen\m@m@h
9151 \@ifpackageloaded{multicol}{%
9152 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
9153 \hsize\textwidth
9154 @@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
9155 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
9156 }{%
9157 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
9158 @@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
9159 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
9160 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
9161 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
9162 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
9163 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
9164 \setbox2 \vsplit0 to \dimen0
9165 \unvbox2 }
9166 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
9167 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9168 \@bidi@before@Hy@hyperfootnotes
9169 \let\@footnotetext\@twocolfootnotetext
9170 \let\@LTRfootnotetext\@twocolLTRfootnotetext
9171 \let\@RTLfootnotetext\@twocolRTLfootnotetext
9172 \dimen\footinsv@r=2\footinsdim
9173 \count\footinsv@r=500\relax
9174 \m@make@twocol@footgroup{v@r}%
9175 \let\@footgroupv@r\@twocol@footgroupv@r
9176 \let\@mpfootnotetext\@mptwocolfootnotetext
9177 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
9178 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
9179 \@bidi@after@Hy@hyperfootnotes
9180 \m@make@mptwocol@footgroup{v@r}%
9181 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
9182 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9183 }
9184 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9185 \def\baselinestretch{\m@m@footnote@spacing}%
9186 \reset@font\foottextfont
9187 \@preamfntext

```



```

9188 \protected@edef\@currentlabel{%
9189   \csname p@footnote\endcsname\@thefnmark}%
9190 \color@begingroup
9191   \@twocolfootfmt{#1}%
9192 \color@endgroup}%
9193 \m@mmf@prepare}
9194 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9195   \def\baselinestretch{\m@m@footnote@spacing}%
9196   \reset@font\LTRfoottextfont
9197   \@preamfntext
9198   \protected@edef\@currentlabel{%
9199     \csname p@footnote\endcsname\@thefnmark}%
9200   \color@begingroup
9201     \@twocolLTRfootfmt{#1}%
9202   \color@endgroup}%
9203   \m@mmf@prepare}
9204 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9205   \def\baselinestretch{\m@m@footnote@spacing}%
9206   \reset@font\RTLfoottextfont
9207   \@preamfntext
9208   \protected@edef\@currentlabel{%
9209     \csname p@footnote\endcsname\@thefnmark}%
9210   \color@begingroup
9211     \@twocolRTLfootfmt{#1}%
9212   \color@endgroup}%
9213   \m@mmf@prepare}
9214 \bidi@ensure@newcommand{\@preamtwofmt}{%
9215   \hsize .45\hsize
9216   \parindent=\z@
9217   \tolerance=5000\relax
9218   \leavevmode}
9219 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
9220   \@preamtwofmt
9221   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9222 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
9223   \@preamtwofmt
9224   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9225 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
9226   \@preamtwofmt
9227   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9228 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
9229   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9230     \unvbox\@mpfootinsv@r
9231     \def\baselinestretch{\m@m@footnote@spacing}%
9232     \reset@font\foottextfont
9233     \hsize\columnwidth \@parboxrestore
9234     \protected@edef\@currentlabel{%
9235       \csname p@mpfootnote\endcsname\@thefnmark}%
9236     \color@begingroup
9237     \@twocolfootfmt{#1}%

```




```

9238 \color@endgroup}%
9239 \m@mmf@prepare}
9240 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
9241 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9242 \unvbox\@mpfootinsv@r
9243 \def\baselinestretch{\m@m@footnote@spacing}%
9244 \reset@font\LTRfoottextfont
9245 \hsize\columnwidth \@parboxrestore
9246 \if@RTLcolumnfootnotes\beginL\fi
9247 \protected@edef\@currentlabel{%
9248 \csname p@mpfootnote\endcsname\@thefnmark}%
9249 \color@begingroup
9250 \@twocolLTRfootfmt{#1}%
9251 \color@endgroup}%
9252 \m@mmf@prepare}
9253 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
9254 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9255 \unvbox\@mpfootinsv@r
9256 \def\baselinestretch{\m@m@footnote@spacing}%
9257 \reset@font\RTLfoottextfont
9258 \hsize\columnwidth \@parboxrestore
9259 \protected@edef\@currentlabel{%
9260 \csname p@mpfootnote\endcsname\@thefnmark}%
9261 \color@begingroup
9262 \@twocolRTLfootfmt{#1}%
9263 \color@endgroup}%
9264 \m@mmf@prepare}
9265 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
9266 \@namedef{@twocol@footgroup#1}{%
9267 \def\baselinestretch{\m@m@footnote@spacing}%
9268 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9269 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
9270 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
9271 \@namedef{@mptwocol@footgroup#1}{%
9272 \def\baselinestretch{\m@m@footnote@spacing}%
9273 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9274 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}%
9275 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
9276 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9277 \@bidi@before@Hy@hyperfootnotes
9278 \let\@footnotetext\@threecolfootnotetext
9279 \let\@LTRfootnotetext\@threecolLTRfootnotetext
9280 \let\@RTLfootnotetext\@threecolRTLfootnotetext
9281 \dimen\footinsv@r=3\footinsdim
9282 \count\footinsv@r=333\relax
9283 \m@make@threecol@footgroup{v@r}%
9284 \let\@footgroupv@r\@threecol@footgroupv@r
9285 \let\@mpfootnotetext\@mpthreecolfootnotetext
9286 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
9287 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext

```



```

9288 \@bidi@after@Hy@hyperfootnotes
9289 \m@make@mpthreecol@footgroup{v@r}%
9290 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
9291 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9292 }
9293 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9294 \def\baselinestretch{\m@m@footnote@spacing}%
9295 \reset@font\foottextfont
9296 \@preamfntext
9297 \protected@edef\@currentlabel{%
9298 \csname p@footnote\endcsname\@thefnmark}%
9299 \color@begingroup
9300 \@threecolfootfmt{#1}%
9301 \color@endgroup}\m@mmf@prepare}
9302 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9303 \def\baselinestretch{\m@m@footnote@spacing}%
9304 \reset@font\LTRfoottextfont
9305 \@preamfntext
9306 \protected@edef\@currentlabel{%
9307 \csname p@footnote\endcsname\@thefnmark}%
9308 \color@begingroup
9309 \@threecolLTRfootfmt{#1}%
9310 \color@endgroup}\m@mmf@prepare}
9311 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9312 \def\baselinestretch{\m@m@footnote@spacing}%
9313 \reset@font\RTLfoottextfont
9314 \@preamfntext
9315 \protected@edef\@currentlabel{%
9316 \csname p@footnote\endcsname\@thefnmark}%
9317 \color@begingroup
9318 \@threecolRTLfootfmt{#1}%
9319 \color@endgroup}\m@mmf@prepare}
9320 \bidi@ensure@newcommand{\@preamthreefmt}{%
9321 \hsize .3\hsize
9322 \parindent=\z@
9323 \tolerance=5000\relax
9324 \leavevmode}
9325 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
9326 \@preamthreefmt
9327 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9328 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
9329 \@preamthreefmt
9330 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9331 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
9332 \@preamthreefmt
9333 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9334 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
9335 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9336 \unvbox\@mpfootinsv@r
9337 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9338 \reset@font\foottextfont
9339 \hsize\columnwidth \@parboxrestore
9340 \protected@edef\@currentlabel{%
9341 \csname p@mpfootnote\endcsname\@thefnmark}%
9342 \color@begingroup
9343 \@threecolfootfmt{#1}%
9344 \color@endgroup}\m@mmf@prepare}
9345 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
9346 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9347 \unvbox\@mpfootinsv@r
9348 \def\baselinestretch{\m@m@footnote@spacing}%
9349 \reset@font\LTRfoottextfont
9350 \hsize\columnwidth \@parboxrestore
9351 \if@RTLcolumnfootnotes\beginL\fi
9352 \protected@edef\@currentlabel{%
9353 \csname p@mpfootnote\endcsname\@thefnmark}%
9354 \color@begingroup
9355 \@threecolLTRfootfmt{#1}%
9356 \color@endgroup}\m@mmf@prepare}
9357 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
9358 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9359 \unvbox\@mpfootinsv@r
9360 \def\baselinestretch{\m@m@footnote@spacing}%
9361 \reset@font\RTLfoottextfont
9362 \hsize\columnwidth \@parboxrestore
9363 \protected@edef\@currentlabel{%
9364 \csname p@mpfootnote\endcsname\@thefnmark}%
9365 \color@begingroup
9366 \@threecolRTLfootfmt{#1}%
9367 \color@endgroup}\m@mmf@prepare}
9368 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
9369 \@namedef{@threecol@footgroup#1}{%
9370 \def\baselinestretch{\m@m@footnote@spacing}%
9371 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9372 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@{\splittopskip}}}}
9373 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
9374 \@namedef{@mpthreecol@footgroup#1}{%
9375 \def\baselinestretch{\m@m@footnote@spacing}%
9376 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9377 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@{\splittopskip}}}}
9378 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
9379 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9380 \@bidi@before@Hy@hyperfootnotes
9381 \let\@footnotetext\@fourcolfootnotetext
9382 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
9383 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
9384 \dimen\footinsv@r=4\footinsdim
9385 \count\footinsv@r=250\relax
9386 \m@make@fourcol@footgroup{v@r}%
9387 \let\@footgroupv@r\@fourcol@footgroupv@r

```



```

9388 \let\@mpfootnotetext\@mpfourcolfootnotetext
9389 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
9390 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
9391 \@bidi@after@Hy@hyperfootnotes
9392 \m@make@mpfourcol@footgroup{v@r}%
9393 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
9394 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9395 }
9396 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9397 \def\baselinestretch{\m@m@footnote@spacing}%
9398 \reset@font\foottextfont
9399 \@preamfntext
9400 \protected@edef\@currentlabel{%
9401 \csname p@footnote\endcsname\@thefnmark}%
9402 \color@begingroup
9403 \@fourcolfootfmt{#1}%
9404 \color@endgroup}%
9405 \m@mmf@prepare}
9406 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9407 \def\baselinestretch{\m@m@footnote@spacing}%
9408 \reset@font\LTRfoottextfont
9409 \@preamfntext
9410 \protected@edef\@currentlabel{%
9411 \csname p@footnote\endcsname\@thefnmark}%
9412 \color@begingroup
9413 \@fourcolLTRfootfmt{#1}%
9414 \color@endgroup}%
9415 \m@mmf@prepare}
9416 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9417 \def\baselinestretch{\m@m@footnote@spacing}%
9418 \reset@font\RTLfoottextfont
9419 \@preamfntext
9420 \protected@edef\@currentlabel{%
9421 \csname p@footnote\endcsname\@thefnmark}%
9422 \color@begingroup
9423 \@fourcolRTLfootfmt{#1}%
9424 \color@endgroup}%
9425 \m@mmf@prepare}
9426 \bidi@ensure@newcommand{\@preamfourfmt}{%
9427 \hspace{.25\hsize}
9428 \parindent=\z@
9429 \tolerance=5000\relax
9430 \leavevmode}
9431 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
9432 \@preamfourfmt
9433 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9434 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
9435 \@preamfourfmt
9436 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9437 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%

```



```

9438 \@preamfourfmt
9439 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9440 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
9441   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9442     \unvbox\@mpfootinsv@r
9443     \def\baselinestretch{\m@m@footnote@spacing}%
9444     \reset@font\foottextfont
9445     \hsize\columnwidth \@parboxrestore
9446     \protected@edef\@currentlabel{%
9447       \csname p@mpfootnote\endcsname\@thefnmark}%
9448     \color@begingroup
9449       \@fourcolfootfmt{#1}%
9450     \color@endgroup}%
9451   \m@mmf@prepare}
9452 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9453   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9454     \unvbox\@mpfootinsv@r
9455     \def\baselinestretch{\m@m@footnote@spacing}%
9456     \reset@font\LTRfoottextfont
9457     \hsize\columnwidth \@parboxrestore
9458     \if@RTLcolumnfootnotes\beginL\fi
9459     \protected@edef\@currentlabel{%
9460       \csname p@mpfootnote\endcsname\@thefnmark}%
9461     \color@begingroup
9462       \@fourcolLTRfootfmt{#1}%
9463     \color@endgroup}%
9464   \m@mmf@prepare}
9465 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
9466   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9467     \unvbox\@mpfootinsv@r
9468     \def\baselinestretch{\m@m@footnote@spacing}%
9469     \reset@font\RTLfoottextfont
9470     \hsize\columnwidth \@parboxrestore
9471     \protected@edef\@currentlabel{%
9472       \csname p@mpfootnote\endcsname\@thefnmark}%
9473     \color@begingroup
9474       \@fourcolRTLfootfmt{#1}%
9475     \color@endgroup}%
9476   \m@mmf@prepare}
9477 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9478   \@namedef{@fourcol@footgroup#1}{%
9479     \def\baselinestretch{\m@m@footnote@spacing}%
9480     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9481     \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
9482 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9483   \@namedef{@mpfourcol@footgroup#1}{%
9484     \def\baselinestretch{\m@m@footnote@spacing}%
9485     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9486     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}%
9487 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%

```



```

9488 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9489 \@bidi@before@Hy@hyperfootnotes
9490 \let\@footnotetext\@fivecolfootnotetext
9491 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
9492 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9493 \dimen\footinsv@r=5\footinsdim
9494 \count\footinsv@r=200\relax
9495 \m@make@fivecol@footgroup{v@r}%
9496 \let\@footgroupv@r\@fivecol@footgroupv@r
9497 \let\@mpfootnotetext\@mpfivecolfootnotetext
9498 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
9499 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
9500 \@bidi@after@Hy@hyperfootnotes
9501 \m@make@mpfivecol@footgroup{v@r}%
9502 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
9503 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9504 }
9505 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9506 \def\baselinestretch{\m@m@footnote@spacing}%
9507 \reset@font\foottextfont
9508 \@preamfntext
9509 \protected@edef\@currentlabel{%
9510 \csname p@footnote\endcsname\@thefnmark}%
9511 \color@begingroup
9512 \@fivecolfootfmt{#1}%
9513 \color@endgroup}%
9514 \m@mmf@prepare}
9515 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9516 \def\baselinestretch{\m@m@footnote@spacing}%
9517 \reset@font\LTRfoottextfont
9518 \@preamfntext
9519 \protected@edef\@currentlabel{%
9520 \csname p@footnote\endcsname\@thefnmark}%
9521 \color@begingroup
9522 \@fivecolLTRfootfmt{#1}%
9523 \color@endgroup}%
9524 \m@mmf@prepare}
9525 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9526 \def\baselinestretch{\m@m@footnote@spacing}%
9527 \reset@font\RTLfoottextfont
9528 \@preamfntext
9529 \protected@edef\@currentlabel{%
9530 \csname p@footnote\endcsname\@thefnmark}%
9531 \color@begingroup
9532 \@fivecolRTLfootfmt{#1}%
9533 \color@endgroup}%
9534 \m@mmf@prepare}
9535 \bidi@ensure@newcommand{\@preamfivefmt}{%
9536 \hsize .2\hsize
9537 \parindent=\z@

```



```

9538 \tolerance=5000\relax
9539 \leavevmode}
9540 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9541 \@preamfivefmt
9542 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9543 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9544 \@preamfivefmt
9545 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9546 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9547 \@preamfivefmt
9548 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9549 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9550 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9551 \unvbox\@mpfootinsv@r
9552 \def\baselinestretch{\m@m@footnote@spacing}%
9553 \reset@font\foottextfont
9554 \hsize\columnwidth \@parboxrestore
9555 \protected@edef\@currentlabel{%
9556 \csname p@mpfootnote\endcsname\@thefnmark}%
9557 \color@begingroup
9558 \@fivecolfootfmt{#1}%
9559 \color@endgroup}%
9560 \m@m@mmf@prepare}
9561 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9562 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9563 \unvbox\@mpfootinsv@r
9564 \def\baselinestretch{\m@m@footnote@spacing}%
9565 \reset@font\LTRfoottextfont
9566 \hsize\columnwidth \@parboxrestore
9567 \if@RTLcolumnfootnotes\beginL\fi
9568 \protected@edef\@currentlabel{%
9569 \csname p@mpfootnote\endcsname\@thefnmark}%
9570 \color@begingroup
9571 \@fivecolLTRfootfmt{#1}%
9572 \color@endgroup}%
9573 \m@m@mmf@prepare}
9574 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
9575 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9576 \unvbox\@mpfootinsv@r
9577 \def\baselinestretch{\m@m@footnote@spacing}%
9578 \reset@font\RTLfoottextfont
9579 \hsize\columnwidth \@parboxrestore
9580 \protected@edef\@currentlabel{%
9581 \csname p@mpfootnote\endcsname\@thefnmark}%
9582 \color@begingroup
9583 \@fivecolRTLfootfmt{#1}%
9584 \color@endgroup}%
9585 \m@m@mmf@prepare}
9586 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9587 \@namedef{\@fivecol@footgroup#1}{%

```



```

9588 \def\baselinestretch{\m@m@footnote@spacing}%
9589 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9590 \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
9591 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
9592 \@namedef{mpfivecol@footgroup#1}{%
9593 \def\baselinestretch{\m@m@footnote@spacing}%
9594 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9595 \m@mrigidbalance{\@nameuse{mpfootins#1}}{5}{\splittopskip}}}}
9596 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9597 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9598 \@bidi@before@Hy@hyperfootnotes
9599 \let\@footnotetext\@sixcolfootnotetext
9600 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9601 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9602 \dimen\footinsv@r=6\footinsdim
9603 \count\footinsv@r=166\relax
9604 \m@make@sixcol@footgroup{v@r}%
9605 \let\@footgroupv@r\@sixcol@footgroupv@r
9606 \let\@mpfootnotetext\@mpsixcolfootnotetext
9607 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9608 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9609 \@bidi@after@Hy@hyperfootnotes
9610 \m@make@mpsixcol@footgroup{v@r}%
9611 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
9612 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9613 }
9614 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9615 \def\baselinestretch{\m@m@footnote@spacing}%
9616 \reset@font\foottextfont
9617 \@preamfntext
9618 \protected@edef\@currentlabel{%
9619 \csname p@footnote\endcsname\@thefnmark}%
9620 \color@begingroup
9621 \@sixcolfootfmt{#1}%
9622 \color@endgroup}%
9623 \m@mmf@prepare}
9624 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9625 \def\baselinestretch{\m@m@footnote@spacing}%
9626 \reset@font\LTRfoottextfont
9627 \@preamfntext
9628 \protected@edef\@currentlabel{%
9629 \csname p@footnote\endcsname\@thefnmark}%
9630 \color@begingroup
9631 \@sixcolLTRfootfmt{#1}%
9632 \color@endgroup}%
9633 \m@mmf@prepare}
9634 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9635 \def\baselinestretch{\m@m@footnote@spacing}%
9636 \reset@font\RTLfoottextfont
9637 \@preamfntext

```




```

9638 \protected@edef\@currentlabel{%
9639   \csname p@footnote\endcsname\@thefnmark}%
9640 \color@begingroup
9641   \@sixcolRTLfootfmt{#1}%
9642 \color@endgroup}%
9643 \m@mmf@prepare}
9644 \bidi@ensure@newcommand{\@preamsixfmt}{%
9645   \hspace{.16\hspace}
9646   \parindent=\z@
9647   \tolerance=5000\relax
9648   \leavevmode}
9649 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
9650   \@preamsixfmt
9651   {\footnote\strut {\foottextfont #1}\strut\par}\allowbreak}
9652 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
9653   \@preamsixfmt
9654   {\LTRfootnote\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9655 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
9656   \@preamsixfmt
9657   {\RTLfootnote\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9658 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
9659 \global\setbox\@mpfootins\vbox{%
9660   \unvbox\@mpfootins
9661   \def\baselinestretch{\m@mm@footnote@spacing}%
9662   \reset@font\foottextfont
9663   \hspace\columnwidth \@parboxrestore
9664   \protected@edef\@currentlabel{%
9665     \csname p@mpfootnote\endcsname\@thefnmark}%
9666   \color@begingroup
9667     \@sixcolfootfmt{#1}%
9668   \color@endgroup}%
9669   \m@mmf@prepare}
9670 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse}
9671 \global\setbox\@mpfootins\vbox{%
9672   \unvbox\@mpfootins
9673   \def\baselinestretch{\m@mm@footnote@spacing}%
9674   \reset@font\LTRfoottextfont
9675   \hspace\columnwidth \@parboxrestore
9676   \if@RTLcolumnfootnotes\beginL\fi
9677   \protected@edef\@currentlabel{%
9678     \csname p@mpfootnote\endcsname\@thefnmark}%
9679   \color@begingroup
9680     \@sixcolLTRfootfmt{#1}%
9681   \color@endgroup}%
9682   \m@mmf@prepare}
9683 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue}
9684 \global\setbox\@mpfootins\vbox{%
9685   \unvbox\@mpfootins
9686   \def\baselinestretch{\m@mm@footnote@spacing}%
9687   \reset@font\RTLfoottextfont

```



```

9688 \hspace\columnwidth \@parboxrestore
9689 \protected@edef\@currentlabel{%
9690 \csname p@mpfootnote\endcsname\@thefnmark}%
9691 \color@begingroup
9692 \@sixcolRTLfootfmt{#1}%
9693 \color@endgroup}%
9694 \m@mmf@prepare}
9695 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9696 \@namedef{@sixcol@footgroup#1}{%
9697 \def\baselinestretch{\m@m@footnote@spacing}%
9698 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9699 \m@r@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
9700 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9701 \@namedef{@mpsixcol@footgroup#1}{%
9702 \def\baselinestretch{\m@m@footnote@spacing}%
9703 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9704 \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}%
9705 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9706 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9707 \@bidi@before@Hy@hyperfootnotes
9708 \let\@footnotetext\@sevendcolfootnotetext
9709 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9710 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9711 \dimen\footinsv@r=7\footinsdim
9712 \count\footinsv@r=142\relax
9713 \m@make@sevendcol@footgroup{v@r}%
9714 \let\@footgroupv@r\@sevendcol@footgroupv@r
9715 \let\@mpfootnotetext\@mpsevendcolfootnotetext
9716 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9717 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9718 \@bidi@after@Hy@hyperfootnotes
9719 \m@make@mpsevendcol@footgroup{v@r}%
9720 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
9721 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9722 }
9723 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9724 \def\baselinestretch{\m@m@footnote@spacing}%
9725 \reset@font\foottextfont
9726 \@preamfntext
9727 \protected@edef\@currentlabel{%
9728 \csname p@footnote\endcsname\@thefnmark}%
9729 \color@begingroup
9730 \@sevendcolfootfmt{#1}%
9731 \color@endgroup}%
9732 \m@mmf@prepare}
9733 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9734 \def\baselinestretch{\m@m@footnote@spacing}%
9735 \reset@font\LTRfoottextfont
9736 \@preamfntext
9737 \protected@edef\@currentlabel{%

```



```

9738 \csname p@footnote\endcsname\@thefnmark}%
9739 \color@begingroup
9740 \sevenscolLTRfootfmt{#1}%
9741 \color@endgroup}%
9742 \m@mmf@prepare}
9743 \bidi@ensure@newcommand{\@sevenscolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9744 \def\baselinestretch{\m@m@footnote@spacing}%
9745 \reset@font\RTLfoottextfont
9746 \@preamfntext
9747 \protected@edef\@currentlabel{%
9748 \csname p@footnote\endcsname\@thefnmark}%
9749 \color@begingroup
9750 \sevenscolRTLfootfmt{#1}%
9751 \color@endgroup}%
9752 \m@mmf@prepare}
9753 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9754 \hsize .142\hsize
9755 \parindent=\z@
9756 \tolerance=5000\relax
9757 \leavevmode}
9758 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
9759 \@preamsevenfmt
9760 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9761 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
9762 \@preamsevenfmt
9763 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9764 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
9765 \@preamsevenfmt
9766 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9767 \bidi@ensure@newcommand{\@mpsevenscolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9768 \global\setbox\@mpfootinsv@r\vbox{%
9769 \unvbox\@mpfootinsv@r
9770 \def\baselinestretch{\m@m@footnote@spacing}%
9771 \reset@font\foottextfont
9772 \hsize\columnwidth \@parboxrestore
9773 \protected@edef\@currentlabel{%
9774 \csname p@mpfootnote\endcsname\@thefnmark}%
9775 \color@begingroup
9776 \sevenscolfootfmt{#1}%
9777 \color@endgroup}%
9778 \m@mmf@prepare}
9779 \bidi@ensure@newcommand{\@mpsevenscolLTRfootnotetext}[1]{\@RTLfalse%
9780 \global\setbox\@mpfootinsv@r\vbox{%
9781 \unvbox\@mpfootinsv@r
9782 \def\baselinestretch{\m@m@footnote@spacing}%
9783 \reset@font\LTRfoottextfont
9784 \hsize\columnwidth \@parboxrestore
9785 \if@RTLcolumnfootnotes\beginLfi
9786 \protected@edef\@currentlabel{%
9787 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

9788 \color@begingroup
9789 \sevendcolLTRfootfmt{#1}%
9790 \color@endgroup}%
9791 \m@mmf@prepare}
9792 \bidi@ensure@newcommand{\@mpsevendcolRTLfootnotetext}[1]{\@RTLtrue%
9793 \global\setbox\@mpfootinsv@r\vbox{%
9794 \unvbox\@mpfootinsv@r
9795 \def\baselinestretch{\m@m@footnote@spacing}%
9796 \reset@font\RTLfoottextfont
9797 \hsize\columnwidth \@parboxrestore
9798 \protected@edef\@currentlabel{%
9799 \csname p@mpfootnote\endcsname\@thefnmark}%
9800 \color@begingroup
9801 \sevendcolRTLfootfmt{#1}%
9802 \color@endgroup}%
9803 \m@mmf@prepare}
9804 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
9805 \@namedef{\sevendcol@footgroup#1}{%
9806 \def\baselinestretch{\m@m@footnote@spacing}%
9807 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9808 \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
9809 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%
9810 \@namedef{\mpsevendcol@footgroup#1}{%
9811 \def\baselinestretch{\m@m@footnote@spacing}%
9812 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9813 \m@mrigidbalance{\@nameuse{\mpfootins#1}}{7}{\splittopskip}}}%
9814 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9815 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9816 \@bidi@before@Hy@hyperfootnotes
9817 \let\@footnotetext\@eightcolfootnotetext
9818 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9819 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9820 \dimen\footinsv@r=8\footinsdim
9821 \count\footinsv@r=125\relax
9822 \m@make@eightcol@footgroup{v@r}%
9823 \let\@footgroupv@r\@eightcol@footgroupv@r
9824 \let\@mpfootnotetext\@mpeightcolfootnotetext
9825 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9826 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9827 \@bidi@after@Hy@hyperfootnotes
9828 \m@make@mpeightcol@footgroup{v@r}%
9829 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
9830 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9831 }
9832 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9833 \def\baselinestretch{\m@m@footnote@spacing}%
9834 \reset@font\foottextfont
9835 \@preamfntext
9836 \protected@edef\@currentlabel{%
9837 \csname p@footnote\endcsname\@thefnmark}%

```



```

9838 \color@begingroup
9839 \@eightcolfootfmt{#1}%
9840 \color@endgroup}%
9841 \m@mmf@prepare}
9842 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotetext}%
9843 \def\baselinestretch{\m@m@footnote@spacing}%
9844 \reset@font\LTRfoottextfont
9845 \@preamfntext
9846 \protected@edef\@currentlabel{%
9847 \csname p@footnote\endcsname\@thefnmark}%
9848 \color@begingroup
9849 \@eightcolLTRfootfmt{#1}%
9850 \color@endgroup}%
9851 \m@mmf@prepare}
9852 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue}%
9853 \def\baselinestretch{\m@m@footnote@spacing}%
9854 \reset@font\RTLfoottextfont
9855 \@preamfntext
9856 \protected@edef\@currentlabel{%
9857 \csname p@footnote\endcsname\@thefnmark}%
9858 \color@begingroup
9859 \@eightcolRTLfootfmt{#1}%
9860 \color@endgroup}%
9861 \m@mmf@prepare}
9862 \bidi@ensure@newcommand{\@preameightfmt}{%
9863 \hspace{.125\hsize}
9864 \parindent=\z@
9865 \tolerance=5000\relax
9866 \leavevmode}
9867 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9868 \@preameightfmt
9869 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9870 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9871 \@preameightfmt
9872 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9873 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9874 \@preameightfmt
9875 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9876 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9877 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}%
9878 \unvbox\@mpfootinsv@r
9879 \def\baselinestretch{\m@m@footnote@spacing}%
9880 \reset@font\foottextfont
9881 \hspace\columnwidth \@parboxrestore
9882 \protected@edef\@currentlabel{%
9883 \csname p@mpfootnote\endcsname\@thefnmark}%
9884 \color@begingroup
9885 \@eightcolfootfmt{#1}%
9886 \color@endgroup}%
9887 \m@mmf@prepare}

```



```

9888 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9889   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9890     \unvbox\@mpfootinsv@r
9891     \def\baselinestretch{\m@m@footnote@spacing}%
9892     \reset@font\LTRfoottextfont
9893     \hsize\columnwidth \@parboxrestore
9894     \ifRTLcolumnfootnotes\beginL\fi
9895     \protected@edef\@currentlabel{%
9896       \csname p@mpfootnote\endcsname\@thefnmark}%
9897     \color@begingroup
9898       \@eightcolLTRfootfmt{#1}%
9899     \color@endgroup}%
9900   \m@m@mmf@prepare}
9901 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9902   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9903     \unvbox\@mpfootinsv@r
9904     \def\baselinestretch{\m@m@footnote@spacing}%
9905     \reset@font\RTLfoottextfont
9906     \hsize\columnwidth \@parboxrestore
9907     \protected@edef\@currentlabel{%
9908       \csname p@mpfootnote\endcsname\@thefnmark}%
9909     \color@begingroup
9910       \@eightcolRTLfootfmt{#1}%
9911     \color@endgroup}%
9912   \m@m@mmf@prepare}
9913 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9914   \@namedef{@eightcol@footgroup#1}{%
9915     \def\baselinestretch{\m@m@footnote@spacing}%
9916     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9917     \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
9918 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
9919   \@namedef{@mpeightcol@footgroup#1}{%
9920     \def\baselinestretch{\m@m@footnote@spacing}%
9921     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9922     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}%
9923 \bidi@ensure@newcommand{\@ninecolumnfootnotes}{%
9924   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9925   \@bidi@before@Hy@hyperfootnotes
9926   \let\@footnotetext\@ninecolfootnotetext
9927   \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9928   \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9929   \dimen\footinsv@r=9\footinsdim
9930   \count\footinsv@r=111\relax
9931   \m@make@ninecol@footgroup{v@r}%
9932   \let\@footgroupv@r\@ninecol@footgroupv@r
9933   \let\@mpfootnotetext\@mpninecolfootnotetext
9934   \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9935   \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9936   \@bidi@after@Hy@hyperfootnotes
9937   \m@make@mpninecol@footgroup{v@r}%

```



```

9938 \let\mp@footgroupv@r\@mpninecol@footgroupv@r
9939 \@ifstar\bidistar@footmarkwidth\bidinormal@footmarkwidth
9940 }
9941 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9942 \def\baselinestretch{\m@m@footnote@spacing}%
9943 \reset@font\foottextfont
9944 \@preamfntext
9945 \protected@edef\@currentlabel{%
9946 \csname p@footnote\endcsname\@thefnmark}%
9947 \color@begingroup
9948 \@ninecolfootfmt{#1}%
9949 \color@endgroup}%
9950 \m@mmf@prepare}
9951 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9952 \def\baselinestretch{\m@m@footnote@spacing}%
9953 \reset@font\LTRfoottextfont
9954 \@preamfntext
9955 \protected@edef\@currentlabel{%
9956 \csname p@footnote\endcsname\@thefnmark}%
9957 \color@begingroup
9958 \@ninecolLTRfootfmt{#1}%
9959 \color@endgroup}%
9960 \m@mmf@prepare}
9961 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9962 \def\baselinestretch{\m@m@footnote@spacing}%
9963 \reset@font\RTLfoottextfont
9964 \@preamfntext
9965 \protected@edef\@currentlabel{%
9966 \csname p@footnote\endcsname\@thefnmark}%
9967 \color@begingroup
9968 \@ninecolRTLfootfmt{#1}%
9969 \color@endgroup}%
9970 \m@mmf@prepare}
9971 \bidi@ensure@newcommand{\@preamninefmt}{%
9972 \hsize .1\hsize
9973 \parindent=\z@
9974 \tolerance=5000\relax
9975 \leavevmode}
9976 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9977 \@preamninefmt
9978 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9979 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9980 \@preamninefmt
9981 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9982 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9983 \@preamninefmt
9984 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9985 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9986 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9987 \unvbox\@mpfootinsv@r

```



```

9988 \def\baselinestretch{\m@m@footnote@spacing}%
9989 \reset@font\foottextfont
9990 \hsize\columnwidth \@parboxrestore
9991 \protected@edef\@currentlabel{%
9992   \csname p@mpfootnote\endcsname\@thefnmark}%
9993 \color@begingroup
9994   \@ninecolfootfmt{#1}%
9995 \color@endgroup}%
9996 \m@mmf@prepare}
9997 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9998   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9999     \unvbox\@mpfootinsv@r
10000   \def\baselinestretch{\m@m@footnote@spacing}%
10001   \reset@font\LTRfoottextfont
10002   \hsize\columnwidth \@parboxrestore
10003   \if@RTLcolumnfootnotes\beginL\fi
10004   \protected@edef\@currentlabel{%
10005     \csname p@mpfootnote\endcsname\@thefnmark}%
10006   \color@begingroup
10007     \@ninecolLTRfootfmt{#1}%
10008   \color@endgroup}%
10009   \m@mmf@prepare}
10010 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
10011   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10012     \unvbox\@mpfootinsv@r
10013   \def\baselinestretch{\m@m@footnote@spacing}%
10014   \reset@font\RTLfoottextfont
10015   \hsize\columnwidth \@parboxrestore
10016   \protected@edef\@currentlabel{%
10017     \csname p@mpfootnote\endcsname\@thefnmark}%
10018   \color@begingroup
10019     \@ninecolRTLfootfmt{#1}%
10020   \color@endgroup}%
10021   \m@mmf@prepare}
10022 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
10023   \@namedef{@ninecol@footgroup#1}{%
10024     \def\baselinestretch{\m@m@footnote@spacing}%
10025     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10026     \m@mrigidbodybalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
10027 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
10028   \@namedef{@mpninecol@footgroup#1}{%
10029     \def\baselinestretch{\m@m@footnote@spacing}%
10030     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10031     \m@mrigidbodybalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}%
10032 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
10033   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10034   \@bidi@before@Hy@hyperfootnotes
10035   \let\@footnotetext\@tencolfootnotetext
10036   \let\@LTRfootnotetext\@tencolLTRfootnotetext
10037   \let\@RTLfootnotetext\@tencolRTLfootnotetext

```




```

10038 \dimen\footinsv@r=10\footinsdim
10039 \count\footinsv@r=100\relax
10040 \m@make@tencol@footgroup{v@r}%
10041 \let\@footgroupv@r\@tencol@footgroupv@r
10042 \let\@mpfootnotetext\@mptencolfootnotetext
10043 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
10044 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
10045 \@bidi@after@Hy@hyperfootnotes
10046 \m@make@mptencol@footgroup{v@r}%
10047 \let\mp@footgroupv@r\@mptencol@footgroupv@r
10048 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10049 }
10050 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
10051 \def\baselinestretch{\m@m@footnote@spacing}%
10052 \reset@font\foottextfont
10053 \@preamfntext
10054 \protected@edef\@currentlabel{%
10055 \csname p@footnote\endcsname\@thefnmark}%
10056 \color@begingroup
10057 \@tencolfootfmt{#1}%
10058 \color@endgroup}%
10059 \m@mmf@prepare}
10060 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTL@columnfootnotes%
10061 \def\baselinestretch{\m@m@footnote@spacing}%
10062 \reset@font\LTRfoottextfont
10063 \@preamfntext
10064 \protected@edef\@currentlabel{%
10065 \csname p@footnote\endcsname\@thefnmark}%
10066 \color@begingroup
10067 \@tencolLTRfootfmt{#1}%
10068 \color@endgroup}%
10069 \m@mmf@prepare}
10070 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10071 \def\baselinestretch{\m@m@footnote@spacing}%
10072 \reset@font\RTLfoottextfont
10073 \@preamfntext
10074 \protected@edef\@currentlabel{%
10075 \csname p@footnote\endcsname\@thefnmark}%
10076 \color@begingroup
10077 \@tencolRTLfootfmt{#1}%
10078 \color@endgroup}%
10079 \m@mmf@prepare}
10080 \bidi@ensure@newcommand{\@preamtenfmt}{%
10081 \hsize .1\hsize
10082 \parindent=\z@
10083 \tolerance=5000\relax
10084 \leavevmode}
10085 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
10086 \@preamtenfmt
10087 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}

```



```

10088 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
10089   \@preamtenfmt
10090   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10091 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
10092   \@preamtenfmt
10093   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10094 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
10095   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10096     \unvbox\@mpfootinsv@r
10097     \def\baselinestretch{\m@m@footnote@spacing}%
10098     \reset@font\foottextfont
10099     \hsize\columnwidth \@parboxrestore
10100     \protected@edef\@currentlabel{%
10101       \csname p@mpfootnote\endcsname\@thefnmark}%
10102   \color@begingroup
10103     \@tencolfootfmt{#1}%
10104   \color@endgroup}%
10105   \m@m@mmf@prepare}
10106 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
10107   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10108     \unvbox\@mpfootinsv@r
10109     \def\baselinestretch{\m@m@footnote@spacing}%
10110     \reset@font\LTRfoottextfont
10111     \hsize\columnwidth \@parboxrestore
10112     \if@RTLcolumnfootnotes\beginL\fi
10113     \protected@edef\@currentlabel{%
10114       \csname p@mpfootnote\endcsname\@thefnmark}%
10115   \color@begingroup
10116     \@tencolLTRfootfmt{#1}%
10117   \color@endgroup}%
10118   \m@m@mmf@prepare}
10119 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
10120   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10121     \unvbox\@mpfootinsv@r
10122     \def\baselinestretch{\m@m@footnote@spacing}%
10123     \reset@font\RTLfoottextfont
10124     \hsize\columnwidth \@parboxrestore
10125     \protected@edef\@currentlabel{%
10126       \csname p@mpfootnote\endcsname\@thefnmark}%
10127   \color@begingroup
10128     \@tencolRTLfootfmt{#1}%
10129   \color@endgroup}%
10130   \m@m@mmf@prepare}
10131 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
10132   \@namedef{@tencol@footgroup#1}{%
10133     \def\baselinestretch{\m@m@footnote@spacing}%
10134     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10135     \m@m@rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
10136 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
10137   \@namedef{@mptencol@footgroup#1}{%

```



```

10138 \def\baselinestretch{\m@m@footnote@spacing}%
10139 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10140 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
10141 \bidi@ensure@newcommand{\m@munvxh}[1]{%
10142   \setbox0=\vbox{\unvbox#1%
10143     \global\setbox1=\lastbox}%
10144   \unhbox1
10145   \unskip
10146   \unskip
10147   \unpenalty
10148   \hskip\m@mipn@skip}
10149 \bidi@ensure@newcommand{\m@mungebox}{%
10150   \setbox0=\hbox{\m@munvxh0}%
10151   \dp0=\z@
10152   \ht0=\footfudgefactor\wd0
10153   \box0
10154   \penalty0}
10155 \newskip\m@mipn@skip
10156 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
10157   {\foottextfont\global\m@mipn@skip=#1\relax}}
10158 \m@minterparanoteglue{1em plus.4em minus.4em}
10159 \@ifpackageloaded{multicol}{%
10160 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10161   \hsize\textwidth%
10162   \setbox0=\hbox{}%
10163   \loop
10164     \unpenalty
10165     \setbox2=\lastbox
10166     \ifhbox2
10167       \setbox0=\hbox{\box2\unhbox0}
10168     \repeat}%
10169 }{%
10170 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10171   \setbox0=\hbox{}%
10172   \loop
10173     \unpenalty
10174     \setbox2=\lastbox
10175     \ifhbox2
10176       \setbox0=\hbox{\box2\unhbox0}
10177     \repeat}}
10178 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10179   \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10180 \newcommand*{\AddExtraParaSkip}[1]{%
10181   \if@bidi@csdef{footfudgefactor}{%
10182     \PackageError{bidi}{%
10183       The control sequence ``\string\AddExtraParaSkip``
10184       must be used before the control sequence
10185       ``\string\paragraphfootnotes`` in the preamble%
10186     }\@ehc
10187   }{%

```



```

10188 \def\bidixparaskip{\advance\@tempdima#1\relax}%
10189 }%
10190 }
10191 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10192 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10193 \@bidi@before@Hy@hyperfootnotes
10194 \let\@footnotetext\@parafootnotetext
10195 \let\@LTRfootnotetext\@paraLTRfootnotetext
10196 \let\@RTLfootnotetext\@paraRTLfootnotetext
10197 \dimen\footinsv@r=\footinsdim
10198 \count\footinsv@r=1000\relax
10199 \m@make@para@footgroup{v@r}%
10200 \m@make@para@footstart{v@r}%
10201 \let\@footgroupv@r\@para@footgroupv@r
10202 \let\@footstartv@r\@para@footstartv@r
10203 \dimen\footinsv@l=\footinsdim
10204 \count\footinsv@l=1000\relax
10205 \bidi@make@para@LTRfootgroup{v@l}%
10206 \m@make@para@footstart{v@l}%
10207 \bidi@make@para@footstart@@{v@l}%
10208 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
10209 \let\@footstartv@l\@para@footstartv@l
10210 \let\@@footstart@@v@l\@@para@footstart@@v@l
10211 \let\@mpfootnotetext\@mpparafootnotetext
10212 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10213 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10214 \@bidi@after@Hy@hyperfootnotes
10215 \m@make@mppara@footgroup{v@r}%
10216 \bidi@make@mppara@LTRfootgroup{v@l}%
10217 \let\mp@footgroupv@r\@mppara@footgroupv@r
10218 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
10219 \begingroup
10220 \def\baselinestretch{\m@f@footnote@spacing}%
10221 \foottextfont
10222 \@tempdima\footnotesep
10223 \advance\@tempdima -\ht\strutbox
10224 \ifdim\@tempdima<z@ \@tempdima\z@ \fi
10225 \advance\@tempdima.5\normalbaselineskip
10226 \bidi@xparaskip
10227 \xdef\bidi@paraskip{\the\@tempdima\relax}%
10228 \ifdim\skip\footinsv@r>\bigskipamount
10229 \else
10230 \global\advance\skip\footinsv@r\bidi@paraskip
10231 \fi
10232 \ifdim\skip\footinsv@l>\bigskipamount
10233 \else
10234 \global\advance\skip\footinsv@l\bidi@paraskip
10235 \fi
10236 \@tempdima\normalbaselineskip
10237 \multiply \@tempdima \@cclvi

```



```

10238 \@tempdimb \columnwidth
10239 \divide \@tempdimb \@cclvi
10240 \divide \@tempdima \@tempdimb
10241 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10242 \endgroup
10243 \@ifstar\ bidi@star@footmarkwidth\ bidi@normal@footmarkwidth
10244 }
10245 \newcommand{\normalRTLparaLTRfootnotes}{%
10246 \@namedef{foottextfontv@r}{\foottextfont}%
10247 \@bidi@before@Hy@hyperfootnotes
10248 \if@RTL@footnote
10249 \let\@footnotetext\m@mold@footnotetext
10250 \else
10251 \let\@footnotetext\@parafootnotetext
10252 \fi
10253 \let\@LTRfootnotetext\@paraLTRfootnotetext
10254 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
10255 \dimen\footinsv@r=\footinsdim
10256 \count\footinsv@r=1000\relax
10257 \m@make@para@footgroup{v@r}%
10258 \m@make@para@footstart{v@r}%
10259 \let\@footgroupv@r\@para@footgroupv@r
10260 \let\@footstartv@r\@para@footstartv@r
10261 \dimen\footinsv@l=\footinsdim
10262 \count\footinsv@l=1000\relax
10263 \bidi@make@para@LTRfootgroup{v@l}%
10264 \m@make@para@footstart{v@l}%
10265 \bidi@make@para@footstart@@{v@l}%
10266 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
10267 \let\@footstartv@l\@para@footstartv@l
10268 \let\@@footstart@@v@l\@para@footstart@@v@l
10269 \if@RTL@footnote
10270 \let\@mpfootnotetext\m@mold@mpfootnotetext
10271 \else
10272 \let\@mpfootnotetext\@mpparafootnotetext
10273 \fi
10274 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10275 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
10276 \@bidi@after@Hy@hyperfootnotes
10277 \m@make@mppara@footgroup{v@r}%
10278 \bidi@make@mppara@LTRfootgroup{v@l}%
10279 \let\mp@footgroupv@r\@mppara@footgroupv@r
10280 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
10281 \begingroup
10282 \def\baselinestretch{\m@m@footnote@spacing}%
10283 \foottextfont
10284 \@tempdima\footnotesep
10285 \advance\@tempdima -\ht\strutbox
10286 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
10287 \advance\@tempdima.5\normalbaselineskip

```



```

10288 \bidi@xparaskip
10289 \xdef\bidi@paraskip{\the\@tempdima\relax}%
10290 \ifdim\skip\footinsv@r>\bigskipamount
10291 \else
10292   \global\advance\skip\footinsv@r\bidi@paraskip
10293 \fi
10294 \ifdim\skip\footinsv@l>\bigskipamount
10295 \else
10296   \global\advance\skip\footinsv@l\bidi@paraskip
10297 \fi
10298 \@tempdima\normalbaselineskip
10299 \multiply \@tempdima \ccclvi
10300 \@tempdimb \columnwidth
10301 \divide \@tempdimb \ccclvi
10302 \divide \@tempdima \@tempdimb
10303 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10304 \endgroup
10305 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10306 }
10307 \let\bidi@xparaskip\relax
10308 \@onlypreamble\AddExtraParaSkip
10309 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
10310   \if@RTL@footnote
10311     \footinsv@r
10312   \else
10313     \footinsv@l
10314   \fi
10315   {%
10316     \let\bidi@RTL@everypar\@empty%
10317     \def\baselinestretch{\m@m@footnote@spacing}%
10318     \reset@font\foottextfont
10319     \@preamfntext
10320     \protected@edef\@currentlabel{%
10321       \csname p@footnote\endcsname\@thefnmark}%
10322     \setbox0=\vbox{\hsize=\maxdimen
10323       \color@begingroup
10324         \noindent \@parafootfmt{#1}%
10325       \color@endgroup}%
10326     \m@mungebox\m@mmf@prepare}
10327 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
10328   \let\bidi@RTL@everypar\@empty%
10329   \def\baselinestretch{\m@m@footnote@spacing}%
10330   \reset@font\LTRfoottextfont
10331   \@preamfntext
10332   \protected@edef\@currentlabel{%
10333     \csname p@footnote\endcsname\@thefnmark}%
10334   \setbox0=\vbox{\hsize=\maxdimen
10335     \color@begingroup
10336       \noindent \@paraLTRfootfmt{#1}%
10337     \color@endgroup}%

```



```

10338 \m@mungebox}\m@mmf@prepare}
10339 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
10340 \let\bidi@RTL@everypar\@empty%
10341 \def\baselinestretch{\m@m@footnote@spacing}%
10342 \reset@font\RTLfoottextfont
10343 \@preamfntext
10344 \protected@edef\@currentlabel{%
10345 \csname p@footnote\endcsname\@thefnmark}%
10346 \setbox0=\vbox{\hsize=\maxdimen
10347 \color@begingroup
10348 \noindent \@paraRTLfootfmt{#1}%
10349 \color@endgroup}%
10350 \m@mungebox}\m@mmf@prepare}
10351 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
10352 \parindent=\z@
10353 \parfillskip=0pt \@plus 1fil
10354 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
10355 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
10356 \parindent=\z@
10357 \parfillskip=0pt \@plus 1fil
10358 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
10359 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
10360 \parindent=\z@
10361 \parfillskip=0pt \@plus 1fil
10362 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
10363 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
10364 \global\setbox
10365 \if@RTL@footnote
10366 \@mpfootinsv@r
10367 \else
10368 \@mpfootinsv@l
10369 \fi
10370 \vbox{%
10371 \let\bidi@RTL@everypar\@empty%
10372 \def\baselinestretch{\m@m@footnote@spacing}%
10373 \unvbox
10374 \if@RTL@footnote
10375 \@mpfootinsv@r
10376 \else
10377 \@mpfootinsv@l
10378 \fi
10379 \reset@font\foottextfont
10380 \hsize\columnwidth \@parboxrestore
10381 \protected@edef\@currentlabel{%
10382 \csname p@mpfootnote\endcsname\@thefnmark}%
10383 \setbox0=\vbox{\hsize=\maxdimen
10384 \color@begingroup
10385 \noindent \@parafootfmt{#1}%
10386 \color@endgroup}%
10387 \m@mungebox}\m@mmf@prepare}

```



```

10388 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
10389   \global\setbox\@mpfootinsv@1\vbox{%
10390     \let\bidi@RTL@everypar\@empty%
10391     \def\baselinestretch{\m@m@footnote@spacing}%
10392     \unvbox\@mpfootinsv@1
10393     \reset@font\LTRfoottextfont
10394     \hsize\columnwidth \@parboxrestore
10395     \protected@edef\@currentlabel{%
10396       \csname p@mpfootnote\endcsname\@thefnmark}%
10397     \setbox0=\vbox{\hsize=\maxdimen
10398       \color@begingroup
10399       \noindent \@paraLTRfootfmt{#1}%
10400       \color@endgroup}%
10401     \m@mungebox}\m@mmf@prepare}
10402 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
10403   \global\setbox\@mpfootinsv@r\vbox{%
10404     \let\bidi@RTL@everypar\@empty%
10405     \def\baselinestretch{\m@m@footnote@spacing}%
10406     \unvbox\@mpfootinsv@r
10407     \reset@font\RTLfoottextfont
10408     \hsize\columnwidth \@parboxrestore
10409     \protected@edef\@currentlabel{%
10410       \csname p@mpfootnote\endcsname\@thefnmark}%
10411     \setbox0=\vbox{\hsize=\maxdimen
10412       \color@begingroup
10413       \noindent \@paraRTLfootfmt{#1}%
10414       \color@endgroup}%
10415     \m@mungebox}\m@mmf@prepare}
10416 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
10417   \@namedef{@para@footgroup#1}{%
10418     \unvbox\@nameuse{footins#1}
10419     \@RTLtrue
10420     \m@mmakehboxofhboxes
10421     \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10422     \@parboxrestore%
10423     \def\baselinestretch{\m@m@footnote@spacing}%
10424     \@nameuse{foottextfont#1}%
10425     \noindent\unhbox0\par}}
10426 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
10427   \@namedef{@para@LTRfootgroup#1}{%
10428     \unvbox\@nameuse{footins#1}
10429     \@RTLfalse
10430     \m@mmakehboxofhboxes
10431     \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10432     \@parboxrestore%
10433     \def\baselinestretch{\m@m@footnote@spacing}%
10434     \@nameuse{foottextfont#1}%
10435     \noindent\unhbox0\par}}
10436 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10437   \@namedef{@mppara@footgroup#1}{%

```




```

10438 \unvbox\@nameuse{@mpfootins#1}
10439 \@RTLtrue
10440 \m@mmakehboxofhboxes
10441 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10442 \def\baselinestretch{\m@m@footnote@spacing}%
10443 \@nameuse{foottextfont#1}%
10444 \noindent\unhbox0\par}}
10445 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
10446 \@namedef{@mppara@LTRfootgroup#1}{%
10447 \unvbox\@nameuse{@mpfootins#1}
10448 \@RTLfalse
10449 \m@mmakehboxofhboxes
10450 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10451 \def\baselinestretch{\m@m@footnote@spacing}%
10452 \@nameuse{foottextfont#1}%
10453 \noindent\unhbox0\par}}
10454 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
10455 \@namedef{@para@footstart#1}{%
10456 \if@bidi@void@footins
10457 \bidi@mopfn@bottom
10458 \fi
10459 \leftskip=\z@
10460 \rightskip=\z@
10461 \parindent=\z@
10462 \vskip\skip\footins
10463 \if@bidi@void@footins
10464 \footnoterule
10465 \fi}}
10466 \bidi@ensure@newcommand{\bidi@make@para@footstart@@}[1]{%
10467 \@namedef{@@para@footstart@@#1}{%
10468 \leftskip=\z@
10469 \rightskip=\z@
10470 \parindent=\z@
10471 \vskip\skip\footins}}
10472 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
10473 \xdef\@freelist{\@freelist\@midlist}%
10474 \global\let\@midlist\@empty
10475 \@combinefloats}
10476 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
10477 \ifvbox\@kludgeins
10478 \@makespecialcolbox
10479 \else
10480 \setbox\@outputbox \vbox to\@colht{%
10481 \@texttop
10482 \dimen@ \dp\@outputbox
10483 \unvbox \@outputbox
10484 \vskip -\dimen@
10485 \@textbottom}%
10486 \fi}
10487 \bidi@ensure@newcommand*{\m@m@makecolintro}{%

```



```

10488 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
10489   \boxmaxdepth\@maxdepth
10490   \@tempdima\dp\@cclv
10491   \unvbox\@cclv
10492   \vskip-\@tempdima
10493   \bidi@mopfn@bottom
10494   \vskip \skip\footins
10495   \color@begingroup
10496     \normalcolor
10497     \footnoterule
10498     \unvbox \footins
10499   \color@endgroup
10500 }%
10501 }
10502 \newcommand*{\bidi@mopfootnotebf}{%
10503   \setbox\@outputbox \vbox{%
10504     \boxmaxdepth\@maxdepth
10505     \unvbox\@outputbox
10506     \bidi@mopfn@bottom
10507     \vskip\skip\footins
10508     \color@begingroup
10509       \normalcolor
10510       \footnoterule
10511       \unvbox \footins
10512     \color@endgroup
10513   }%
10514 }
10515 \gdef\mem@makecol{%
10516   \m@m@makecolintro
10517   \ifvoid\footins
10518     \global\@bidi@void@footinstrue
10519     \setbox\@outputbox \box\@cclv
10520   \else
10521     \global\@bidi@void@footinsfalse
10522     \m@mopfootnote
10523   \fi
10524   \m@m@doextrafeet
10525   \m@m@makecolfloats
10526   \m@m@makecoltext
10527   \global \maxdepth \@maxdepth}
10528 \gdef\bidi@makecolbf{%
10529   \m@m@makecolintro
10530   \setbox\@outputbox \box\@cclv
10531   \m@m@makecolfloats
10532   \ifvoid\footins
10533     \global\@bidi@void@footinstrue
10534   \else
10535     \global\@bidi@void@footinsfalse
10536     \bidi@mopfootnotebf
10537   \fi

```



```

10538 \m@mndoextrafeet
10539 \m@m@makecoltext
10540 \global \maxdepth \@maxdepth}
10541 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10542 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10543 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10544 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10545 \FeetAboveFloat
10546 \FeetBelowRagged

```

56 File extreport-xetex-bidi.def

```

10547 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
10548 \renewcommand*\l@part[2]{%
10549   \ifnum \c@tocdepth >-2\relax
10550     \addpenalty{-\@highpenalty}%
10551     \addvspace{2.25em \@plus\p@}%
10552     \begingroup
10553       \setlength\@tempdima{3em}%
10554       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10555       \parfillskip -\@pnumwidth
10556       {\leavevmode
10557         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10558       \nobreak
10559       \global\@nobreaktrue
10560       \everypar{\global\@nobreakfalse\everypar{}}%
10561     \endgroup
10562   \fi}
10563 \renewcommand*\l@chapter[2]{%
10564   \ifnum \c@tocdepth >\m@ne
10565     \addpenalty{-\@highpenalty}%
10566     \vskip 1.0em \@plus\p@
10567     \setlength\@tempdima{1.5em}%
10568     \begingroup
10569       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10570       \parfillskip -\@pnumwidth
10571       \leavevmode \bfseries
10572       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
10573       \hskip -\if@RTL\rightskip\else\leftskip\fi
10574       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10575       \penalty\@highpenalty
10576     \endgroup
10577   \fi}
10578 \def\@makechapterhead#1{%
10579   \vspace*{50\p@}%
10580   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10581     \ifnum \c@secnumdepth >\m@ne
10582       \huge\bfseries \@chapapp\space \thechapter
10583       \par\nobreak
10584       \vskip 20\p@

```



```

10585 \fi
10586 \interlinepenalty\@M
10587 \Huge \bfseries #1\par\nobreak
10588 \vskip 40\p@
10589 }}
10590 \def\@makeschapterhead#1{%
10591 \vspace*{50\p@}%
10592 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10593 \normalfont
10594 \interlinepenalty\@M
10595 \Huge \bfseries #1\par\nobreak
10596 \vskip 40\p@
10597 }}
10598 \renewcommand\left@footnoterule{%
10599 \kern-3\p@
10600 \hrule\@width.4\columnwidth
10601 \kern2.6\p@}
10602 \renewcommand\right@footnoterule{%
10603 \kern-3\p@
10604 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10605 \kern2.6\p@}
10606 \renewenvironment{thebibliography}[1]
10607 {\chapter*{\bibname
10608 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10609 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10610 \bidi@thebibliography@font@hook%
10611 \list{\@biblabel{\@arabic\c@enumiv}}%
10612 {\settowidth\labelwidth{\@biblabel{#1}}%
10613 \leftmargin\labelwidth
10614 \advance\leftmargin\labelsep
10615 \@openbib@code
10616 \usecounter{enumiv}%
10617 \let\p@enumiv\@empty
10618 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10619 \sloppy\clubpenalty4000\widowpenalty4000%
10620 \sfcode`.\@m}
10621 {\def\@noitemerr
10622 {\@latex@warning{Empty `thebibliography' environment}}%
10623 \endlist}
10624 \if@titlepage
10625 \renewcommand\maketitle{\begin{titlepage}%
10626 \let\footnotesize\small
10627 \let\right@footnoterule\relax
10628 \let\left@footnoterule\relax
10629 \let\textwidth\footnoterule\relax
10630 \let\footnote\thanks
10631 \null\vfil
10632 \vskip 60\p@
10633 \begin{center}%
10634 {\LARGE \@title \par}%

```



```

10635 \vskip 3em%
10636 {\large
10637 \lineskip .75em%
10638 \begin{tabular}[t]{c}%
10639 \@author
10640 \end{tabular}\par}%
10641 \vskip 1.5em%
10642 {\large \@date \par}% % Set date in \large size.
10643 \end{center}\par
10644 \@thanks
10645 \vfil\null
10646 \end{titlepage}%
10647 \setcounter{footnote}{0}%
10648 \global\let\thanks\relax
10649 \global\let\maketitle\relax
10650 \global\let\@thanks\@empty
10651 \global\let\@author\@empty
10652 \global\let\@date\@empty
10653 \global\let\@title\@empty
10654 \global\let\title\relax
10655 \global\let\author\relax
10656 \global\let\date\relax
10657 \global\let\and\relax
10658 }
10659 \else
10660 \renewcommand\maketitle{\par
10661 \begingroup
10662 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10663 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10664 \long\def\@makefntext##1{\parindent 1em\noindent
10665 \hb@xt@1.8em{%
10666 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10667 \if@twocolumn
10668 \ifnum \col@number=\@ne
10669 \@maketitle
10670 \else
10671 \twocolumn[\@maketitle]%
10672 \fi
10673 \else
10674 \newpage
10675 \global\@topnum\z@ % Prevents figures from going at top of page.
10676 \@maketitle
10677 \fi
10678 \thispagestyle{plain}\@thanks
10679 \endgroup
10680 \setcounter{footnote}{0}%
10681 \global\let\thanks\relax
10682 \global\let\maketitle\relax
10683 \global\let\@maketitle\relax
10684 \global\let\@thanks\@empty

```



```

10685 \global\let\@author\@empty
10686 \global\let\@date\@empty
10687 \global\let\@title\@empty
10688 \global\let\title\relax
10689 \global\let\author\relax
10690 \global\let\date\relax
10691 \global\let\and\relax
10692 }
10693 \def\@maketitle{%
10694   \newpage
10695   \null
10696   \vskip 2em%
10697   \begin{center}%
10698     \let \footnote \thanks
10699     {\LARGE \@title \par}%
10700     \vskip 1.5em%
10701     {\large
10702       \lineskip .5em%
10703       \begin{tabular}[t]{c}%
10704         \@author
10705       \end{tabular}\par}%
10706     \vskip 1em%
10707     {\large \@date}%
10708   \end{center}%
10709   \par
10710   \vskip 1.5em}
10711 \fi
10712 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10713 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10714 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10715 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10716 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10717 \renewcommand\theequation{%
10718   \ifnum \c@chapter>z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10719 \renewcommand\thefigure{%
10720   \ifnum \c@chapter>z@\thechapter\@SepMark\fi \@arabic\c@figure}
10721 \renewcommand\thetable{%
10722   \ifnum \c@chapter>z@\thechapter\@SepMark\fi\@arabic\c@table}

```

57 File fancybox-xetex-bidi.def

```

10723 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10724 \def\fancy@oval#1#2#3{%
10725   \boxmaxdepth \maxdimen
10726   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10727   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10728   \@ovxx#1\relax
10729   \advance\@ovxx-\@wholewidth
10730   \@ovyy#2\relax
10731   \advance\@ovyy-\@wholewidth

```



```

10732 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
10733 \advance\@tempdimb-2\p@
10734 \ifdim\@tempdimb>\the@cornersize\relax
10735   \@tempdimb=\the@cornersize
10736 \fi
10737 \@getcirc\@tempdimb
10738 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10739 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10740 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10741 \@circlefnt
10742 \setbox\@tempboxa\hbox{\beginL%
10743   \if@ovr \@ovvert32\kern -\@tempdima \fi
10744   \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10745   \if@ovt \@ovhorz \kern -\@ovxx \fi
10746   \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10747 \advance\@ovdx\@ovro
10748 \advance\@ovdy\@ovro
10749 \advance\@ovxx\@wholewidth
10750 \wd\@tempboxa=\@ovxx
10751 \dp\@tempboxa=\z@}

```

58 File fancyhdr-xetex-bidi.def

```

10752 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
10753
10754 \let\f@nch@everypar\everypar
10755
10756 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10757   \f@nch@vbox\headheight{\hbox
10758     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10759     \parbox[b]{\headwidth}{\centering#3}\hfill
10760     \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10761
10762 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10763   \f@nch@vbox\footskip{\footrule
10764     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10765     \parbox[t]{\headwidth}{\centering#3}\hfill
10766     \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\footrule}}#5}
10767

```

59 File fix2col-xetex-bidi.def

```

10768 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
10769 \def\RTL@outputdblcol{%
10770   \if@firstcolumn
10771     \global\@firstcolumnfalse
10772     \global\setbox\@leftcolumn\copy\@outputbox
10773     \splitmaxdepth\maxdimen
10774     \vbadness\maxdimen
10775     \setbox\@outputbox\vsplit\@outputbox to\maxdimen

```



```

10776 \toks@expandafter{\topmark}%
10777 \xdef\@firstcoltopmark{\the\toks@}%
10778 \toks@expandafter{\splitfirstmark}%
10779 \xdef\@firstcolfirstmark{\the\toks@}%
10780 \ifx\@firstcolfirstmark\@empty
10781   \global\let\@setmarks\relax
10782 \else
10783   \gdef\@setmarks{%
10784     \let\firstmark\@firstcolfirstmark
10785     \let\topmark\@firstcoltopmark}%
10786 \fi
10787 \else \global\@firstcolumntrue
10788 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10789 \hskip \columnwidth
10790 \hfil \vrule width\columnseprule \hfil
10791 \hbox to\columnwidth {%
10792 \bidi@firstcolumn@status@write%
10793 \box\@leftcolumn \hss}%
10794 \hskip -\textwidth
10795 \hbox to\columnwidth{%
10796 \bidi@lastcolumn@status@write%
10797 \box\@outputbox \hss}%
10798 \hskip \columnsep
10799 \hskip \columnwidth }}%
10800 \@combinedblfloats \setmarks \@outputpage
10801 \begingroup \@dblfloatplacement \startdblcolumn
10802 \@whilesw\if@fcolmade \fi
10803 {\@outputpage \startdblcolumn }\endgroup
10804 \fi}
10805 \def\LTR@outputdblcol{%
10806   \if@firstcolumn
10807     \global\@firstcolumnfalse
10808     \global\setbox\@leftcolumn\copy\@outputbox
10809     \splitmaxdepth\maxdimen
10810     \vbadness\maxdimen
10811     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10812     \toks@expandafter{\topmark}%
10813     \xdef\@firstcoltopmark{\the\toks@}%
10814     \toks@expandafter{\splitfirstmark}%
10815     \xdef\@firstcolfirstmark{\the\toks@}%
10816     \ifx\@firstcolfirstmark\@empty
10817       \global\let\@setmarks\relax
10818     \else
10819       \gdef\@setmarks{%
10820         \let\firstmark\@firstcolfirstmark
10821         \let\topmark\@firstcoltopmark}%
10822     \fi
10823   \else
10824     \global\@firstcolumntrue
10825     \setbox\@outputbox\vbox{%

```




```

10826 \hb@xt@\textwidth{%
10827 \hb@xt@\columnwidth{%
10828 \bidi@firstcolumn@status@write%
10829 \box\@leftcolumn \hss}%
10830 \hfil
10831 \vrule \@width\columnseprule
10832 \hfil
10833 \hb@xt@\columnwidth{%
10834 \bidi@lastcolumn@status@write%
10835 \box\@outputbox \hss}}}%
10836 \@combinedblfloats
10837 \@setmarks
10838 \@outputpage
10839 \begingroup
10840 \@dblfloatplacement
10841 \@startdblcolumn
10842 \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
10843 \endgroup
10844 \fi}

```

60 File fleqn-xetex-bidi.def

```

10845 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
10846 \renewcommand\relax
10847 \ifmmode\@badmath
10848 \else
10849 \begin{trivlist}%
10850 \beginparpenalty\predisplaypenalty
10851 \endparpenalty\postdisplaypenalty
10852 \item[]\leavevmode
10853 \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10854 \hskip\mathindent\bgroup
10855 \fi}
10856 \renewcommand\relax
10857 \ifmmode
10858 \egroup $\hfil% $
10859 \endL\egroup
10860 \end{trivlist}%
10861 \else \@badmath
10862 \fi}
10863 \renewenvironment{equation}%
10864 {\beginparpenalty\predisplaypenalty
10865 \endparpenalty\postdisplaypenalty
10866 \refstepcounter{equation}%
10867 \trivlist \item[]\leavevmode
10868 \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10869 \displaystyle
10870 \hskip\mathindent}%
10871 {$\hfil % $
10872 \displaywidth\linewidth\hbox{\@eqnnum}%

```



```

10873     \endL\egroup
10874     \endtrivlist}

```

61 File float-xetex-bidi.def

```

10875 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for Xe
10876 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10877 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10878 \else\hbox to\hsize{\ifRTL\beginR\fi\hfil\box\@tempboxa\hfil\ifRTL\endR\fi}\fi}
10879 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10880 \expandafter\edef\csname the#1\endcsname{%
10881 \expandafter\noexpand\csname
10882 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10883 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

62 File floatrow-xetex-bidi.def

```

10884 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
10885 \renewcommand\flnew@within[1]{\@addtoreset{FB@capttype}{#1}%
10886 \expandafter\edef\csname the\FB@capttype\endcsname{%
10887 \expandafter\noexpand\csname
10888 the#1\endcsname\@SepMark\noexpand\arabic{FB@capttype}}}

```

63 File flowfram-xetex-bidi.def

```

10889 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package
10890 \def\@outputdblcol{%
10891 \@nxtcol=\c@thisframe
10892 \c@curpg=\c@page
10893 \@g@tnextcol{\@nxtcol}%
10894 \ifff@nwpg % next flow frame starts on new page
10895 \global\@firstcolumntrue
10896 \@setcolbox\c@thisframe
10897 \if@specialpage
10898 \global\@specialpagefalse
10899 \@nameuse{ps@\@specialstyle}\relax
10900 \fi
10901 \if@twoside
10902 \ifodd\count\z@
10903 \let\@thehead\@oddhead
10904 \let\@thefoot\@oddfoot
10905 \else
10906 \let\@thehead\@evenhead
10907 \let\@thefoot\@evenfoot
10908 \fi
10909 \else
10910 \let\@thehead\@oddhead
10911 \let\@thefoot\@oddfoot
10912 \fi
10913 \@begindvi

```



```

10914 \@dodynamicthehead\@dodynamicthefoot
10915 \vbadness=\@M
10916 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
10917 \@combinedblfloats
10918 \@outputpage
10919 \advance\c@curpg by -\c@page\relax
10920 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10921 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
10922 \@outputpage}
10923 \begingroup
10924 \@dblfloatplacement
10925 \@startdblcolumn
10926 \@whilesw \if@colmade \fi
10927 {\@outputpage \@startdblcolumn }\endgroup
10928 \@resetst@tics
10929 \@resetdyn@tics
10930 \else % still on same page, save contents of box255
10931 \global\@firstcolumnfalse
10932 \setcolbox\c@thisframe
10933 \fi
10934 \global\c@thisframe=\@nxtcol
10935 \setcol{\c@thisframe}\relax
10936 \global\@colht\vsiz
10937 }
10938 \def\@outputpage{%
10939 \begingroup
10940 \let\protect\noexpand
10941 \@resetactivechars
10942 \global\let\@@if@newlist\if@newlist
10943 \global\@newlistfalse\@parboxrestore
10944 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
10945 \bidi@beforeoutputpageshipouthook
10946 \shipout\vbox{\set@typeset@protect
10947 \aftergroup
10948 \endgroup
10949 \aftergroup
10950 \set@typeset@protect
10951 \reset@font\normalsize
10952 \bidi@font\@outputpage
10953 \normalsfcodes
10954 \let\label\@gobble
10955 \let\index\@gobble
10956 \let\glossary\@gobble
10957 \baselineskip\z@skip
10958 \lineskip\z@skip
10959 \lineskiplimit\z@
10960 \vskip\topmargin\moveright\@themargin
10961 \vbox{%
10962 \global\let\@bidi@BeforeHeader\@firstofone
10963 \bidi@beforeheaderhook

```



```

10964 \vskip\headheight
10965 \vskip\headsep
10966 \global\let\bid@BeforeOutputBoxOutputPage\@firstofone
10967 \bid@beforeoutputboxoutputpagehook
10968 \box\@outputbox
10969 \global\let\bid@AfterOutputBoxOutputPage\@firstofone
10970 \bid@afteroutputboxoutputpagehook
10971 }}%
10972 \global\let\bid@AfterOutputPageShipOut\@firstofone
10973 \bid@afteroutputpageshipouthook
10974 \global\let\if@newlist\@if@newlist
10975 \stepcounter{page}%
10976 \setcounter{displayedframe}{0}%
10977 \let\firstmark\botmark
10978 \global\let\bid@AtEndOutputPage\@firstofone
10979 \bid@atendoutputpagehook
10980 }
10981
10982
10983 \newcommand*\bid@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
10984 \expandafter\bidicolor\ff@txtcol}}
10985
10986 \newcommand{\bid@ff@box}[3]{\@ffbackground{\vbox to#2
10987 {\hb@xt@ #1{\hss{\bid@s@tfftextcol #3}\hss}\vss\kern\z@}}}%
10988
10989
10990 \renewcommand*\@docolbox}[1]{%
10991 \edef\ff@frametype{%
10992 \csname @ff@frametype@\romannumeral#1\endcsname}%
10993 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10994 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10995 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10996 \@ff@setoffset{#1}%
10997 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10998 \ifthenelse{\boolean{columnframe}\romannumeral#1}}{%
10999 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
11000 {\csname colheight\romannumeral#1\endcsname}}{%
11001 \expandafter\box\csname column\romannumeral#1\endcsname}{%
11002 \csname\ff@frametype\endcsname}%
11003 }{%
11004 \bid@ff@box{\csname colwidth\romannumeral#1\endcsname}%
11005 {\csname colheight\romannumeral#1\endcsname}}{%
11006 \expandafter\box\csname column\romannumeral#1\endcsname}%
11007 }}}
11008 \ifclassloaded{book}{%
11009 \renewcommand\theequation
11010 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11011 \renewcommand \thefigure
11012 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11013 \renewcommand \thetable

```



```

11014      {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11015 \renewcommand \thechapter {\@arabic\c@chapter}
11016 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11017 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11018 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
11019 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
11020 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}}{}
11021 \@ifclassloaded{report}{%
11022 \renewcommand \theequation
11023   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11024 \renewcommand \thefigure
11025   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11026 \renewcommand \thetable
11027   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11028 \renewcommand \thechapter {\@arabic\c@chapter}
11029 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11030 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11031 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
11032 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
11033 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}}{}
11034 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
11035 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}}%
11036 \else
11037 #2\relax
11038 \fi}

```

64 File footnote-xetex-bidi.def

```

11039 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
11040 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
11041 \newif\ifbidi@autofooterule
11042 \def\bidi@mpfootnoterule{\footnoterule}
11043 \newcounter{footdir@label}
11044 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
11045 \newcommand*{\footdir@write}{%
11046   \stepcounter{footdir@label}%
11047   \zref@labelbyprops{\thefootdir@label}{abspage}%
11048 }
11049 \newif\iffootdir@debug
11050 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
11051 \newtoks\footdir@toks
11052 \newcommand*{\footdir@debug}[1]{%
11053   \iffootdir@debug
11054     \typeout{[footdir] #1}%
11055   \fi
11056 }
11057 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
11058 %  \newcommand*{\footdir@LeftRightElse}{%
11059 %    \ltx@ifundefined{footdir@the\value{zabspage}}{%
11060 %      \footdir@debug{abspage \the\value{zabspage}: else}%

```



```

11061 %      \ltx@thirdofthree
11062 %    }{%
11063 %      \if\csname footdir@\the\value{zabspage}\endcsname L%
11064 %        \footdir@debug{abspage \the\value{zabspage}: left}%
11065 %        \expandafter\ltx@firstofthree
11066 %      \else
11067 %        \footdir@debug{abspage \the\value{zabspage}: right}%
11068 %        \expandafter\ltx@secondofthree
11069 %      \fi
11070 %    }%
11071 %  }%
11072 %}{%
11073 \providecommand*{\c@zabspage}{\c@abspage}%
11074 \newcommand*{\footdir@LeftRightElse}{%
11075   \footdir@write
11076   \zifrefundefined{\thefootdir@label}{%
11077     \footdir@debug{abspage ??: else}%
11078     \ltx@thirdofthree
11079   }{%
11080     \edef\footdir@abspage{%
11081       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
11082     }%
11083     \ltx@ifundefined{footdir@\footdir@abspage}{%
11084       \footdir@debug{\footdir@abspage: else}%
11085       \ltx@thirdofthree
11086     }{%
11087       \if\csname footdir@\footdir@abspage\endcsname L%
11088         \footdir@debug{\footdir@abspage: left}%
11089         \expandafter\ltx@firstofthree
11090       \else
11091         \footdir@debug{\footdir@abspage: right}%
11092         \expandafter\ltx@secondofthree
11093       \fi
11094     }%
11095   }%
11096 }%
11097 %}
11098 \newcommand*{\footdir@fntext}[1]{%
11099   \zifrefundefined{\thefootdir@label}{%
11100     }{%
11101       \edef\footdir@name{%
11102         footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
11103       }%
11104       \@ifundefined{footdir@name}{%
11105         \expandafter\gdef\csname\footdir@name\endcsname{#1}%
11106       }{%
11107         }%
11108     }%
11109   }%
11110 \newcommand*{\footdir@temp}[3]{%

```



```

11111 \@ifdefinable{#1}{%
11112   \let#1#2%
11113   \renewcommand{#2}[1]{%
11114     \footdir@write
11115     \footdir@fntext{#3}%
11116     \stepcounter{footdir@label}%
11117     \footdir@fntext{#3}%
11118     \footdir@toks{##1}%
11119     \footdir@toks\expandafter{%
11120       \the\expandafter\footdir@toks
11121       \expandafter
11122       \zref@labelbyprops\expandafter{\the\footdir@label}{abspage}%
11123     }%
11124     \expandafter#1\expandafter{\the\footdir@toks}%
11125   }%
11126 }%
11127 }
11128
11129 \def\right@footnoterule{%
11130   \kern-3\p@
11131   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11132   \kern2.6\p@}
11133 \def\left@footnoterule{\kern-3\p@
11134   \hrule \@width .4\columnwidth \kern 2.6\p@}
11135 \def\textwidth@footnoterule{\kern-3\p@
11136   \hrule \@width \columnwidth \kern 2.6\p@}
11137 \def\leftfootnoterule{%
11138   \bidi@autofootnoterulefalse%
11139   \def\footnoterule{\left@footnoterule}}
11140 \let\LRfootnoterule=\leftfootnoterule
11141 \def\rightfootnoterule{%
11142   \bidi@autofootnoterulefalse%
11143   \def\footnoterule{\right@footnoterule}}
11144 \def\textwidthfootnoterule{%
11145   \bidi@autofootnoterulefalse%
11146   \def\footnoterule{\textwidth@footnoterule}}
11147
11148
11149
11150 \def\auto@footnoterule{%
11151   \footdir@LeftRightElse%
11152   \left@footnoterule%
11153   \right@footnoterule%
11154   \left@footnoterule%
11155 }
11156
11157
11158
11159 \def\autofootnoterule{%
11160   \bidi@autofootnoteruletrue%

```



```

11161 \def\footnoterule{\auto@footnoterule}%
11162 }
11163
11164 \newcommand*{\SplitFootnoteRule}{%
11165   \gdef\split@prev{0}
11166   \let\pagefootnoterule\footnoterule
11167   \let\mpfootnoterule\footnoterule
11168   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11169   \def\footnoterule{\relax
11170     \ifx \@listdepth\@mplistdepth
11171       \mpfootnoterule
11172     \else
11173       \ifnum\split@prev=\z@
11174         \pagefootnoterule
11175       \else
11176         \splitfootnoterule
11177       \fi
11178       \xdef\split@prev{\the\insertpenalties}%
11179     \fi
11180   }%
11181 }
11182
11183
11184
11185
11186 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11187   \protected@xdef\@thefnmark{\thempfn}%
11188   \@footnotemark\@RTLfootnotetext}}
11189 \def\@xRTLfootnote[#1]{%
11190   \begingroup
11191     \csname c@\@mpfn\endcsname #1\relax
11192     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11193   \endgroup
11194   \@footnotemark\@RTLfootnotetext}
11195 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
11196   \protected@xdef\@thefnmark{\thempfn}%
11197   \@footnotemark\@LTRfootnotetext}}
11198 \def\@xLTRfootnote[#1]{%
11199   \begingroup
11200     \csname c@\@mpfn\endcsname #1\relax
11201     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11202   \endgroup
11203   \@footnotemark\@LTRfootnotetext}
11204
11205
11206 \def\setfootnoteRL{\@RTL@footnotetrue}
11207 \def\unsetfootnoteRL{\@RTL@footnotefalse}
11208 \def\setfootnoteLR{\unsetfootnoteRL}
11209
11210 \newcommand*{\bidi@footnotetext@font}{\footnotesize}

```




```

11211 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
11212 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
11213
11214 \long\def\@footnotetext#1{\insert\footins{%
11215   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11216   \reset@font%
11217   \bidi@@footnotetext@font% \reset@font\footnotesize
11218   \interlinepenalty\interfootnotelinepenalty
11219   \splittopskip\footnotesep
11220   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11221   \hsize\columnwidth \@parboxrestore
11222   \protected@edef\@currentlabel{%
11223     \csname p@footnote\endcsname\@thefnmark
11224   }%
11225   \color@begingroup
11226     \@makefntext{%
11227       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11228   \color@endgroup}}%
11229
11230
11231 \long\def\@RTLfootnotetext#1{\insert\footins{%
11232   \@RTLtrue%
11233   \reset@font%
11234   \bidi@@RTLfootnotetext@font% \reset@font\footnotesize
11235   \interlinepenalty\interfootnotelinepenalty
11236   \splittopskip\footnotesep
11237   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11238   \hsize\columnwidth \@parboxrestore
11239   \protected@edef\@currentlabel{%
11240     \csname p@footnote\endcsname\@thefnmark
11241   }%
11242   \color@begingroup
11243     \@makefntext{%
11244       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11245   \color@endgroup}}%
11246
11247 \long\def\@LTRfootnotetext#1{\insert\footins{%
11248   \@RTLfalse%
11249   \reset@font%
11250   \bidi@@LTRfootnotetext@font% \reset@font\footnotesize
11251   \interlinepenalty\interfootnotelinepenalty
11252   \splittopskip\footnotesep
11253   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11254   \hsize\columnwidth \@parboxrestore
11255   \protected@edef\@currentlabel{%
11256     \csname p@footnote\endcsname\@thefnmark
11257   }%
11258   \color@begingroup
11259     \@makefntext{%
11260       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%

```



```

11261 \color@endgroup}}%
11262
11263 \AtBeginDocument{%
11264 \if@RTL@footnote
11265 \newcommand*{\bidi@footdir@footnote}{R}
11266 \else
11267 \newcommand*{\bidi@footdir@footnote}{L}
11268 \fi%
11269 }
11270
11271 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11272 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
11273 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
11274
11275 \long\def\@mpRTLfootnotetext#1{%
11276 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
11277 \global\setbox\@mpfootins\vbox{\@RTLtrue%
11278 \unvbox\@mpfootins
11279 \reset@font%
11280 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11281 \hsize\columnwidth
11282 \@parboxrestore
11283 \protected@edef\@currentlabel
11284 {\csname p@mpfootnote\endcsname\@thefnmark}%
11285 \color@begingroup
11286 \@makefntext{%
11287 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11288 \color@endgroup}}
11289 \long\def\@mpLTRfootnotetext#1{%
11290 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
11291 \global\setbox\@mpfootins\vbox{\@RTLfalse%
11292 \unvbox\@mpfootins
11293 \reset@font%
11294 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11295 \hsize\columnwidth
11296 \@parboxrestore
11297 \protected@edef\@currentlabel
11298 {\csname p@mpfootnote\endcsname\@thefnmark}%
11299 \color@begingroup
11300 \@makefntext{%
11301 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11302 \color@endgroup}}
11303 \long\def\@mpfootnotetext#1{%
11304 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
11305 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11306 \unvbox\@mpfootins
11307 \reset@font%
11308 \bidi@footnotetext@font% \reset@font\footnotesize
11309 \hsize\columnwidth
11310 \@parboxrestore

```



```

11311 \protected@edef\@currentlabel
11312 {\csname p@mpfootnote\endcsname\@thefnmark}%
11313 \color@begingroup
11314 \@makefnmark{\rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
11315 \color@endgroup}}
11316 \def\@iiminipage#1#2[#3]#4{%
11317 \leavevmode
11318 \@pboxswfalse
11319 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11320 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
11321 \setlength\@tempdima{#4}%
11322 \def\@mpargs{#{1}{#2}[#3]{#4}}%
11323 \setbox\@tempboxa\vbox\bgroup
11324 \color@begingroup
11325 \hsize\@tempdima
11326 \textwidth\hsize \columnwidth\hsize
11327 \@parboxrestore
11328 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11329 \let\@footnotetext\@mpfootnotetext
11330 \let\@LTRfootnotetext\@mpLTRfootnotetext
11331 \let\@RTLfootnotetext\@mpRTLfootnotetext
11332 \let\@listdepth\@mplistdepth \@mplistdepth\z@
11333 \@minipagerestore
11334 \setminipage}
11335 \def\endminipage{%
11336 \par
11337 \unskip
11338 \ifvoid\@mpfootins\else
11339 \vskip\skip\@mpfootins
11340 \normalcolor
11341 \bidi@mpfootnoterule
11342 \unvbox\@mpfootins
11343 \fi
11344 \@minipagefalse %% added 24 May 89
11345 \color@endgroup
11346 \egroup
11347 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
11348 \def\LTRthanks#1{\footnotemark
11349 \protected@xdef\@thanks{\@thanks
11350 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11351 }
11352 \def\LTRfootnotetext{%
11353 \@ifnextchar [\@xLTRfootnotenext
11354 {\protected@xdef\@thefnmark{\thempfn}%
11355 \@LTRfootnotetext}}
11356 \def\@xLTRfootnotenext[#1]{%
11357 \begingroup
11358 \csname c@\@mpfn\endcsname #1\relax
11359 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11360

```



```

11361 \endgroup
11362 \@LTRfootnotetext}
11363 \def\RTLthanks#1{\footnotemark
11364     \protected@xdef\@thanks{\@thanks
11365         \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11366 }
11367 \let\@thanks\@empty
11368 \def\RTLfootnotetext{%
11369     \ifnextchar [\@xRTLfootnotenext
11370         {\protected@xdef\@thefnmark{\thempfn}%
11371         \@RTLfootnotetext}}
11372 \def\@xRTLfootnotenext[#1]{%
11373     \begingroup
11374         \csname c@\@mpfn\endcsname #1\relax
11375         \unrestored@protected@xdef\@thefnmark{\thempfn}%
11376     \endgroup
11377     \@RTLfootnotetext}
11378 \leftfootnoterule

```

65 File framed-xetex-bidi.def

```

11379 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for ]
11380 \renewcommand\TitleBarFrame[3][\begingroup
11381     \ifx\delimiter#1\delimiter
11382         \let\TF@conlab\@empty
11383     \else
11384         \def\TF@conlab{% continuation label
11385             \nointerlineskip
11386             \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
11387     \fi
11388     \let\TF@savecolor\current@color
11389     \textcolor{TF@FrameColor}{%
11390         \CustomFBox
11391             {\TF@Title{#2}}{\TF@conlab}%
11392             \fboxrule\fboxrule\fboxrule\fboxrule
11393             %{\let\current@color\TF@savecolor\set@color #3}%
11394             {\normalcolor #3}%
11395     }\endgroup
11396 }
11397 \renewenvironment{titled-frame}[1]{%
11398     \def\FrameCommand{\fboxsep8pt\fboxrule2pt
11399         \TitleBarFrame{\textbf{#1}}}%
11400     \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
11401         \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
11402     \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
11403         \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} \ (cont)}%
11404     \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
11405         \TitleBarFrame{\textbf{#1} \ (cont)}}}%
11406     \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11407 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title

```



```

11408% could interfere with the width measurement.
11409 {\endMakeFramed}
11410 \chardef\FrameRestore=\catcode`\| % for debug
11411 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
11412 \def\fb@put@frame#1#2{\relax
11413 \ifdim\pagegoal=\maxdimen \pagegoal\vsizelimit \fi
11414 | \message{===== Entering putframe =====^^J
11415 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
11416 \ifinner
11417 \fb@putboxa#1%
11418 \fb@afterframe
11419 \else
11420 \dimen@=\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11421 \ifdim\dimen@<2\baselineskip % Too little room on page
11422 | \message{Page has only \the\dimen@space room left; eject.}%
11423 \eject \fb@adjheight \fb@put@frame#1#2%
11424 \else % there's appreciable room left on the page
11425 \fb@sizeofframe#1%
11426 | \message{\string\pagetotal=\the\pagetotal,
11427 | \string\pagegoal=\the\pagegoal,
11428 | \string\pagestretch=\the\pagestretch,
11429 | \string\pageshrink=\the\pageshrink,
11430 | \string\fb@frh=\the\fb@frh. \space}
11431 | \message{^^JBox of size \the\ht@tempboxa\space}%
11432 \begingroup % temporarily set \dimen@ to be...
11433 \advance\dimen@.8\pageshrink % maximum space available on page
11434 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11435 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11436 \expandafter\endgroup
11437 % expand \ifdim, then restore \dimen@ to real room left on page
11438 \ifdim\dimen@>\ht@tempboxa % whole box does fit
11439 | \message{fits in \the\dimen@.}%
11440 % ToDo: Change this to use vsplit anyway to capture the marks
11441 % MERGE THIS WITH THE else CLAUSE!!!
11442 \fb@putboxa#1%
11443 \fb@afterframe
11444 \else % box must be split
11445 | \message{must be split to fit in \the\dimen@.}%
11446 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11447 \fb@sizeofframe#2%
11448 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11449 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11450 \kern137sp\kern-137sp\penalty-30
11451 \unvbox\@tempboxa}%
11452 \edef\fb@resto\set{\boxmaxdepth\the\boxmaxdepth
11453 \splittopskip\the\splittopskip}%
11454 \boxmaxdepth\z@ \splittopskip\z@
11455 | \message{^^JPadded box of size \the\ht@tempboxa\space split to \the\dimen@}%
11456 % Split box here
11457 \setbox\tw@vsplit\@tempboxa to\dimen@

```



```

11458 | \toks99\expandafter{\splitfirstmark}%
11459 | \toks98\expandafter{\splitbotmark}%
11460 | \message{Marks are: \the\toks99, \the\toks98. }%
11461 | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
11462 | \message{Natural height of split box is \the\ht\tw@, leaving
11463 | \the\ht\@tempboxa\space remainder. }%
11464 | % If the split-to size > (\vsize-\topskip), then set box to full size.
11465 | \begingroup
11466 | \advance\dimen@\topskip
11467 | \expandafter\endgroup
11468 | \ifdim\dimen@>\pagegoal
11469 | \message{Frame is big -- Use up the full column. }%
11470 | \dimen@ii\pagegoal
11471 | \advance\dimen@ii -\topskip
11472 | \advance\dimen@ii \FrameHeightAdjust\relax
11473 | \else % suspect this is implemented incorrectly:
11474 | % If the split-to size > feasible room_on_page, rebox it smaller.
11475 | \advance\dimen@.8\pageshrink
11476 | \ifdim\ht\tw@>\dimen@
11477 | \message{Box too tall; rebox it to \the\dimen@. }%
11478 | \dimen@ii\dimen@
11479 | \else % use natural size
11480 | \dimen@ii\ht\tw@
11481 | \fi
11482 | \fi
11483 | % Re-box contents to desired size \dimen@ii
11484 | \advance\dimen@ii -\fb@frh
11485 | \setbox\tw@\vbox to\dimen@ii \bgroup
11486 | % remove simulated frame and page flexibility:
11487 | \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11488 | \unvbox\tw@ \unpenalty\unpenalty
11489 | \ifdim\lastkern=-137sp % whole box went to next page
11490 | \message{box split at beginning! }%
11491 | % need work here???
11492 | \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11493 | \fb@adjheight
11494 | \fb@put@frame#1#2% INSERTED ???
11495 | \else % Got material split off at the head
11496 | \egroup \fb@resto@set
11497 | \ifvoid\@tempboxa % it all fit after all
11498 | \message{box split at end! }%
11499 | \setbox\@tempboxa\box\tw@
11500 | \fb@putboxa#1%
11501 | \fb@afterframe
11502 | \else % it really did split
11503 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11504 | \ifdim\wd\tw@>\z@
11505 | \wd\tw@\wd\@tempboxa
11506 | \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11507 | \else

```



```

11508 |          \message{Zero width means likely blank. Don't frame it (guess)}%
11509          \box\tw@
11510          \fi
11511          \hrule \@height\z@ \@width\hsize
11512          \eject
11513          \fb@adjheight
11514          \fb@put@frame\LastFrameCommand\MidFrameCommand
11515 \fi\fi\fi\fi\fi
11516 }
11517 \def\fb@putboxa#1{%
11518 \ifvoid\@tempboxa
11519 \PackageWarning{framed}{Boxa is void -- discard it. }%
11520 \else
11521 | \message{Frame and place boxa. }%
11522 | %{\showoutput\showbox\@tempboxa}%
11523 \centerline{#1{\hboxL{\box\@tempboxa}}}%
11524 \fi
11525 }
11526 \catcode`\|=\FrameRestore
11527 \def\FrameRestore{%
11528 \let\if@nobreak\iffalse
11529 \let\if@noskipsec\iffalse
11530 \let\-\@dischyp
11531 \let'\@acci\let'\@accii\let\=\@acciii
11532 % \message{FrameRestore:
11533 %   \@totalleftmargin=\the \@totalleftmargin,
11534 %   \rightmargin=\the\rightmargin,
11535 %   \@listdepth=\the\@listdepth. }%
11536 % Test if we are in a list (or list-like paragraph)
11537 \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11538 \ifdim\rightmargin>\z@ 1\fi
11539 \ifnum\@listdepth>\z@ 1\fi 0>\z@
11540 %   \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
11541 %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11542 %   \labelwidth=\the\labelwidth. }%
11543 \@setminipage % snug fit around the item
11544 % Now try to propagate changes of width from \hsize to list parameters.
11545 % This is deficient, but a more advanced way to indicate modification to text
11546 % dimensions is not (yet) provided; in particular, no separate left/right
11547 % adjustment.
11548 \advance\linewidth-\columnwidth \advance\linewidth\hsize
11549 \parshape\@ne \@totalleftmargin \linewidth
11550 \else % Not in list
11551 \linewidth=\hsize
11552 %\message{No list, set \string\linewidth=\the\hsize. }%
11553 \fi
11554 \sloppy
11555 }

```



66 File ftnright-xetex-bidi.def

```

11556 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
11557
11558 \def\prepare@bidi@copyins{%
11559   \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
11560   \global\skip\@bidi@copyins@\z@
11561   \global\count\@bidi@copyins@\z@
11562   \global\dimen\@bidi@copyins@\textheight}
11563
11564 \newskip\bidi@rcol@copyinsskip
11565
11566 \def\LTR@outputdblcol{%
11567   \if@firstcolumn
11568     \global\@firstcolumnfalse
11569     \global\setbox\@leftcolumn\copy\@outputbox
11570     \global\count\footins\@m
11571     \global\skip\footins\rcol@footinsskip
11572     \global\count\@bidi@copyins@\@m
11573     \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
11574     \splitmaxdepth\maxdimen
11575     \vbadness\maxdimen
11576     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11577     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11578     \toks@ \expandafter{\topmark}%
11579     \xdef\@firstcoltopmark{\the\toks@}%
11580     \toks@ \expandafter{\splitfirstmark}%
11581     \xdef\@firstcolfirstmark{\the\toks@}%
11582     \ifx\@firstcolfirstmark\@empty
11583       \global\let\@setmarks\relax
11584     \else
11585       \gdef\@setmarks{%
11586         \let\firstmark\@firstcolfirstmark
11587         \let\topmark\@firstcoltopmark}%
11588     \fi
11589   \else
11590     \preparefootins
11591     \prepare@bidi@copyins
11592     \global\@firstcolumntrue
11593     \setbox\@outputbox\vbox{%
11594       \hb@xt@\textwidth{%
11595         \hb@xt@\columnwidth{%
11596           \bidi@firstcolumn@status@write%
11597           \box\@leftcolumn \hss}%
11598         \hfil
11599         {\normalcolor\vrule \@width\columnseprule}%
11600         \hfil
11601         \hb@xt@\columnwidth{%
11602           \bidi@lastcolumn@status@write%
11603           \box\@outputbox \hss}}}%

```




```

11604 \@combinedblfloats
11605 \setmarks
11606 \@outputpage
11607 \beginngroup
11608 \dblfloatplacement
11609 \startdblcolumn
11610 \@whiles\if@fcolmade \fi{\@outputpage
11611 \startdblcolumn}%
11612 \endgroup
11613 \fi}%
11614
11615 \def\RTL@outputdblcol{%
11616 \if@firstcolumn
11617 \global\@firstcolumnfalse
11618 \global\setbox\@leftcolumn\copy\@outputbox
11619 \global\count\footins\@m
11620 \global\skip\footins\rcol@footinsskip
11621 \global\count\@bidi@copyins\@m
11622 \global\skip\@bidi@copyins\@bidi@rcol@copyinsskip
11623 \splitmaxdepth\maxdimen
11624 \vbadness\maxdimen
11625 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11626 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11627 \toks@{\expandafter{\topmark}}%
11628 \xdef\@firstcoltopmark{\the\toks@}%
11629 \toks@{\expandafter{\splitfirstmark}}%
11630 \xdef\@firstcolfirstmark{\the\toks@}%
11631 \ifx\@firstcolfirstmark\@empty
11632 \global\let\@setmarks\relax
11633 \else
11634 \gdef\@setmarks{%
11635 \let\firstmark\@firstcolfirstmark
11636 \let\topmark\@firstcoltopmark}%
11637 \fi
11638 \else
11639 \preparefootins
11640 \prepare@bidi@copyins
11641 \global\@firstcolumntrue
11642 \setbox\@outputbox\vbox{%
11643 \hb@xt@\textwidth{%
11644 \hskip \columnwidth
11645 \hfil
11646 {\normalcolor\vrule \@width\columnseprule}%
11647 \hfil
11648 \hb@xt@\columnwidth{%
11649 \bidi@firstcolumn@status@write%
11650 \box\@leftcolumn \hss}%
11651 \hskip -\textwidth
11652 \hb@xt@\columnwidth{%
11653 \bidi@lastcolumn@status@write%

```



```

11654      \box\@outputbox \hss}%
11655      \hskip \columnsep
11656      \hskip \columnwidth }}%
11657 \@combinedblfloats
11658   \setmarks
11659   \@outputpage
11660   \begingroup
11661     \dblfloatplacement
11662     \@startdblcolumn
11663     \@whiles\if@fcolmade \fi{\@outputpage
11664       \@startdblcolumn}%
11665   \endgroup
11666 \fi}%
11667
11668 \def\@startcolumn{%
11669   \ifx\@deferlist\@empty
11670     \global\@fcolmadefalse
11671     \global\@colroom\@colht
11672   \else
11673     \ifvoid\footins\else
11674       \ftn@amount\ht\footins
11675       \advance\ftn@amount\dp\footins
11676       \advance\ftn@amount\skip\footins
11677     \fi
11678     \ifvoid\@bidi@copyins\else
11679       \bidi@copyins@amount\ht\@bidi@copyins@
11680       \advance\bidi@copyins@amount\dp\@bidi@copyins@
11681       \advance\bidi@copyins@amount\skip\@bidi@copyins@
11682     \fi
11683     \global\advance\@colht-\ftn@amount
11684     \global\advance\@colht-\bidi@copyins@amount
11685     \global\@colroom\@colht
11686     \@xstartcol
11687     \global\advance\@colht\ftn@amount
11688     \global\advance\@colroom\ftn@amount
11689     \global\advance\@colht\bidi@copyins@amount
11690     \global\advance\@colroom\bidi@copyins@amount
11691   \fi
11692   \if@fcolmade
11693     \setbox\@cclv\box\@outputbox
11694     \@makecol
11695   \else
11696     \ifvoid\footins\else
11697       \insert\footins{\unvbox\footins}\fi
11698     \ifvoid\@bidi@copyins\else
11699       \insert\@bidi@copyins@\{\unvbox\@bidi@copyins@\}\fi
11700   \fi}
11701
11702 \newdimen\bidi@copyins@amount
11703

```



```

11704 \def\@makecol{\if@firstcolumn
11705   \setbox\@outputbox\box\@cclv
11706   \if@twocolumn \else
11707     \ifvoid\footins \else
11708       \@latexerr{ftnright package
11709         used in one-column mode}}%
11710   {The ftnright package was designed to
11711     work with LaTeX's standard^^Jtwocolumn
11712     option. It does *not* work with the
11713     multicol package.^^JSo please specify
11714     `twocolumn' in the
11715     \noexpand\documentclass command.}%
11716   \shipout\box\footins \fi
11717   \ifvoid\@bidi@copyins@ \else
11718     \@latexerr{ftnright package
11719       used in one-column mode}}%
11720   {The ftnright package was designed to
11721     work with LaTeX's standard^^Jtwocolumn
11722     option. It does *not* work with the
11723     multicol package.^^JSo please specify
11724     `twocolumn' in the
11725     \noexpand\documentclass command.}%
11726   \shipout\box\@bidi@copyins@ \fi\fi
11727 \ifnum\insertpenalties>\z@
11728   \@latexerr{ftnright package
11729     scrambled footnotes}}%
11730   {There is too much footnote material in
11731     the first column and ftnright^^Jis
11732     unable to cope with this.^^JYou need
11733     to reduce the amount to get a properly
11734     formatted page.}%
11735 \fi
11736 \else
11737   \ifvoid\footins
11738     \ifvoid\@bidi@copyins@
11739       \setbox\@outputbox\box\@cclv
11740     \else
11741       \setbox\@outputbox\vbox
11742       {\ifvoid\@cclv \else
11743         \unvbox\@cclv
11744         \vskip \skip\@bidi@copyins@
11745       \fi
11746       \color@begingroup
11747       \normalcolor
11748       \unvbox \@bidi@copyins@
11749       \color@endgroup}%
11750   \fi
11751 \else
11752   \setbox\@outputbox\vbox
11753   {\ifvoid\@cclv \else

```




```

11801 \Grot@setangle{#1}%
11802 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
11803 \Grot@x\z@
11804 \Grot@y\z@
11805 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
11806 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11807 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11808 \Grot@x\width \divide\Grot@x\tw@
11809 \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
11810 \setkeys{Grot}{#1}%
11811 \setbox\z@\box\@tempboxa
11812 \Grot@setangle{#2}%
11813 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
11814 \@end@tempboxa}
11815 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11816 \leavevmode
11817 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11818 \setbox\z@\hbox{{#3}}%
11819 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11820 \ifdim#2\p<\z@
11821 \ht\tw@-#2\dp\z@
11822 \dp\tw@-#2\ht\z@
11823 \else
11824 \ht\tw@#2\ht\z@
11825 \dp\tw@#2\dp\z@
11826 \fi
11827 \ifdim#1\p<\z@
11828 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11829 \else
11830 \wd\tw@#1\wd\z@
11831 \box\tw@
11832 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11833 \def\Gin@iii[#1,#2][#3,#4]#5{%
11834 \begingroup
11835 \ifmmode\else\if@RTL\beginL\fi\fi
11836 \Gin@bboxtrue
11837 \Gin@defaultbp\Gin@llx{#1}%
11838 \Gin@defaultbp\Gin@lly{#2}%
11839 \Gin@defaultbp\Gin@urx{#3}%
11840 \Gin@defaultbp\Gin@ury{#4}%
11841 \Gin@include@graphics{#5}%
11842 \ifmmode\else\if@RTL\endL\fi\fi
11843 \endgroup}
11844 \def\Gin@ii[#1]#2{%
11845 \def\@tempa{[]}\def\@tempb{#2}%
11846 \ifx\@tempa\@tempb
11847 \def\@tempa{\Gin@iii[#1][}%
11848 \expandafter\@tempa
11849 \else
11850 \begingroup

```



```

11851      \ifmmode\else\if@RTL\beginL\fi\fi
11852      \@tempwafalse
11853      \toks@{\Gininclude@graphics{#2}}%
11854      \setkeys{Gin}{#1}%
11855      \Gin@esetsize
11856      \the\toks@
11857      \ifmmode\else\if@RTL\endL\fi\fi
11858    \endgroup
11859    \fi}
11860  \def\reflectbox{\bidiGscale@box-1[1]}
11861  \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11862    \leavevmode
11863    \def\Gscale@x{#1}\def\Gscale@y{#2}%
11864    \setbox\z@{\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}}
11865    \setbox\tw@{\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11866    \ifdim#2\p<\z@
11867      \ht\tw@-#2\dp\z@
11868      \dp\tw@-#2\ht\z@
11869    \else
11870      \ht\tw@#2\ht\z@
11871      \dp\tw@#2\dp\z@
11872    \fi
11873    \ifdim#1\p<\z@
11874      \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11875    \else
11876      \wd\tw@#1\wd\z@
11877      \box\tw@
11878    \fi\ifmmode\else\if@RTL\endL\fi\fi}
11879  \def\scalebox#1{%
11880    \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}
11881  \def\resizebox{%
11882    \leavevmode
11883    \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11884  \def\bidiGscale@@box#1#2#3{%
11885    \let\@tempa\Gin@exclamation
11886    \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11887    \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11888    \ifx\@tempb\@tempa
11889      \ifx\@tempc\@tempa
11890        \toks@{\mbox}%
11891      \else
11892        \toks@{\bidiGscale@box@dd{#3}#1}%
11893      \fi
11894    \else
11895      \ifx\@tempc\@tempa
11896        \toks@{\bidiGscale@box@dd{#2}\width}%
11897      \else
11898        \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
11899      \fi
11900    \fi

```



```

11901 \the\toks@}
11902 \long\def\bidigscale@box@ddd#1#2#3{%
11903 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if
11904 \setlength\@tempdima{#1}%
11905 \setlength\@tempdimb{#2}%
11906 \Gscale@div\@tempa\@tempdima\@tempdimb
11907 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11908 \@end@tempboxa}
11909 \long\def\bidigscale@box@dddd#1#2#3#4#5{%
11910 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if
11911 \setlength\@tempdima{#1}%
11912 \setlength\@tempdimb{#2}%
11913 \Gscale@div\@tempa\@tempdima\@tempdimb
11914 \setlength\@tempdima{#3}%
11915 \setlength\@tempdimb{#4}%
11916 \Gscale@div\@tempb\@tempdima\@tempdimb
11917 \ifGin@iso
11918 \ifdim\@tempa\p>\@tempb\p@
11919 \let\@tempa\@tempb
11920 \else
11921 \let\@tempb\@tempa
11922 \fi
11923 \fi
11924 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11925 \@end@tempboxa}

```

68 File geometry-xetex-bidi.def

```

11926 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
11927 \renewcommand*{\Gm@vrules@mpi}{%
11928 \if@RTLmain%
11929 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11930 \llap{\Gm@vrule}\ignorespaces
11931 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11932 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11933 \else%
11934 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11935 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11936 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11937 \renewcommand*{\Gm@vrules@mpii}{%
11938 \if@RTLmain%
11939 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11940 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11941 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11942 \else%
11943 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11944 \llap{\Gm@vrule}\ignorespaces
11945 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11946 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11947 \bidi@patchcmd{\Gm@pageframes}{%

```



```

11948 \ifodd\count\z@
11949 \let\@themargin\oddsidemargin
11950 \else
11951 \let\@themargin\evensidemargin
11952 \fi
11953 }{%
11954 \ifodd\count\z@
11955 \if@RTLmain
11956 \let\@themargin\evensidemargin
11957 \else
11958 \let\@themargin\oddsidemargin
11959 \fi
11960 \else
11961 \if@RTLmain
11962 \let\@themargin\oddsidemargin
11963 \else
11964 \let\@themargin\evensidemargin
11965 \fi
11966 \fi
11967 }{}{}

```

69 File hvfloat-xetex-bidi.def

```

11968 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for
11969 \def\do@hvFloat[#1]#2#3{%
11970 \def\hv@shortCap{#1}
11971 \def\hv@longCap{#2}
11972 \def\hv@label{#3}
11973 %\newcommand*{\hvFloat}[5][{}]{%
11974 % [#1]: keyvalues
11975 % #2: type figure | table | ...
11976 % #3: float contents
11977 % [#4]: short caption
11978 % #5: caption
11979 % #6: label
11980 % \setDefault%
11981 % \def\@tempa{#1}%
11982 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11983 \def\@tempa{90}%
11984 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11985 \else \setlength{\hvMaxCapWidth}{\linewidth}
11986 \fi
11987 %
11988 % First we save the object in \hvObjectBox
11989 %
11990 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11991 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11992 \else
11993 \savebox{\hvObjectBox}{%
11994 \rotatebox{\hvSet@objectAngle}{%

```




```

11995 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11996 \fi
11997 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11998 %
11999 % Now we save the caption with its defined \hvCapWidth
12000 %
12001 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
12002 \else
12003 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
12004 \else
12005 \setlength{\hvCapWidth}{\hvObjectWidth}
12006 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12007 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12008 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
12009 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
12010 \else
12011 \setlength{\hvCapWidth}{\hvMaxCapWidth}
12012 \fi
12013 \fi
12014 \fi
12015 %
12016 % now we have the object and the caption with the right
12017 % rotated angles saved in boxes
12018 %
12019 \def\fps@figure{\hvSet@floatPos}
12020 \ifhv@nonFloat\begin{group}% Start the nonfloat part
12021 \else \begin{\hv@floatType}% Start the floating environment
12022 \fi%
12023 \saveCaptionSkip% we put this space ourselves
12024 \ifx\hvSet@capAngle\hv@Width % need rotation?
12025 \sbox{\hvCaptionBox}{%
12026 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
12027 \ifhv@nonFloat%
12028 \ifhv@onlyText#2%
12029 \else%
12030 \ifx\hv@floatType\hv@figure
12031 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
12032 \else
12033 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
12034 \fi
12035 \fi
12036 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
12037 \fi%
12038 \label{#3}%
12039 \end{minipage}%
12040 }%
12041 \else%
12042 \sbox{\hvCaptionBox}{%
12043 \rotatebox{\hvSet@capAngle}{%
12044 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation

```



```

12045 \ifhv@nonFloat%
12046     \ifhv@onlyText#2%
12047     \else%
12048     \ifx\hv@floatType\hv@figure
12049         \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
12050     \else
12051         \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
12052     \fi
12053 \fi
12054 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
12055     \fi%
12056     \label{#3}%
12057     \end{minipage}%
12058     }%
12059 }%
12060 \fi%
12061 %%
12062 \restoreCaptionSkip% save old values
12063 \ifx\hvSet@objectPos\hv@Right\ bidi@raggedleft%
12064 \else%
12065     \ifx\hvSet@objectPos\hv@Center
12066         \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
12067     \fi%
12068 \fi%
12069 %
12070 % to rotate object and caption together, we save all in another box
12071 % the caption comes first, if its on the left or the top
12072 %
12073 \savebox{\@tempboxa}{%
12074     \ifx\hvSet@capPos\hv@Left % caption on left side
12075     \if@RTL%
12076     \ifx\hvSet@capVPos\hv@Center%
12077     \ifhv@fbox
12078     \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12079     \else
12080     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12081     \fi%
12082     \hspace{\hvSet@floatCapSep pt}%
12083     \ifhv@fbox
12084     \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12085     \else
12086     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12087     \fi%
12088     \else%
12089     \ifx\hvSet@capVPos\hv@Top
12090     \ifhv@fbox
12091     \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12092     \else
12093     \raisebox{-\height}{\usebox{\hvObjectBox}}%
12094     \fi%

```



```

12095 \hspace{\hvSet@floatCapSep pt}%
12096 \ifhv@fbox
12097 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12098 \else
12099 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12100 \fi
12101 \else
12102 \ifhv@fbox
12103 \fbox{\usebox{\hvObjectBox}}%
12104 \else
12105 \usebox{\hvObjectBox}%
12106 \fi
12107 \hspace{\hvSet@floatCapSep pt}%
12108 \ifhv@fbox
12109 \fbox{\usebox{\hvCaptionBox}}%
12110 \else
12111 \usebox{\hvCaptionBox}%
12112 \fi%
12113 \fi%
12114 \fi%
12115 \else% not RTL
12116 \ifx\hvSet@capVPos\hv@Center%
12117 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12118 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12119 \fi%
12120 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12121 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12122 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12123 \fi%
12124 \else%
12125 \ifx\hvSet@capVPos\hv@Top % caption at top
12126 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12127 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12128 \fi
12129 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12130 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12131 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12132 \fi%
12133 \else% caption on bottom
12134 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12135 \else\usebox{\hvCaptionBox}
12136 \fi%
12137 \hspace{\hvSet@floatCapSep pt}%
12138 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
12139 \else \usebox{\hvObjectBox}
12140 \fi%
12141 \fi%
12142 \fi% end of RTL
12143 \fi%
12144 \else

```



```

12145 \ifx\hvSet@capPos\hv@Top
12146 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12147 \begin{minipage}{\wd\hvCaptionBox}
12148 \else
12149 \begin{minipage}{\wd\hvObjectBox}
12150 \fi
12151 \centering
12152 \ifhv@fbox
12153 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
12154 \fbox{\usebox{\hvObjectBox}}
12155 \else
12156 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
12157 \usebox{\hvObjectBox}
12158 \fi%
12159 \end{minipage}
12160 \else
12161 \ifx\hvSet@capPos\hv@Bottom
12162 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12163 \begin{minipage}{\wd\hvCaptionBox}
12164 \else
12165 \begin{minipage}{\wd\hvObjectBox}
12166 \fi
12167 \centering
12168 \ifhv@fbox
12169 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
12170 \fbox{\usebox{\hvCaptionBox}}
12171 \else
12172 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
12173 \usebox{\hvCaptionBox}
12174 \fi%
12175 \end{minipage}
12176 \else% the last option: put the caption on the right
12177 \if@RTL%
12178 \ifx\hvSet@capVPos\hv@Center%
12179 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12180 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12181 \fi%
12182 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12183 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12184 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12185 \fi%
12186 \else%
12187 \ifx\hvSet@capVPos\hv@Top % caption at top
12188 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12189 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12190 \fi
12191 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12192 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12193 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12194 \fi%

```



```

12195 \else% caption on bottom
12196 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
12197 \else\usebox{\hvCaptionBox}
12198 \fi%
12199 \hspace{\hvSet@floatCapSep pt}%
12200 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
12201 \else \usebox{\hvObjectBox}
12202 \fi%
12203 \fi%
12204 \fi%
12205 \else% not RTL
12206 \ifx\hvSet@capVPos\hv@Center%
12207 \ifhv@fbox
12208 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
12209 \else
12210 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12211 \fi%
12212 \hspace{\hvSet@floatCapSep pt}%
12213 \ifhv@fbox
12214 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12215 \else
12216 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12217 \fi%
12218 \else%
12219 \ifx\hvSet@capVPos\hv@Top
12220 \ifhv@fbox
12221 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12222 \else
12223 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12224 \fi%
12225 \hspace{\hvSet@floatCapSep pt}%
12226 \ifhv@fbox
12227 \fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12228 \else
12229 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12230 \fi
12231 \else
12232 \ifhv@fbox
12233 \fbbox{\usebox{\hvObjectBox}}%
12234 \else
12235 \usebox{\hvObjectBox}%
12236 \fi
12237 \hspace{\hvSet@floatCapSep pt}%
12238 \ifhv@fbox
12239 \fbbox{\usebox{\hvCaptionBox}}%
12240 \else
12241 \usebox{\hvCaptionBox}%
12242 \fi%
12243 \fi%
12244 \fi

```



```

12245 \fi% end of RTL
12246 \fi
12247 \fi
12248 \fi
12249 }% End savebox Object and caption
12250 %
12251 % now we rotate the object and caption, if needed
12252 %
12253 \ifx\hvSet@rotAngle\hv@Zero
12254 \usebox{\@tempboxa}
12255 \else
12256 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
12257 \fi
12258 \ifhv@nonFloat
12259 \ifx\hvSet@ObjectPos\hv@Center
12260 \ifhv@nonFloat
12261 \hspace{\fill}
12262 \fi
12263 \fi
12264 \endgroup% End the nonfloat part
12265 \else
12266 \end{\hv@floatType}% End the floating environment
12267 \fi
12268 }

```

70 File hyperref-xetex-bidi.def

```

12269 \ProvidesFile{hyperref-xetex-bidi.def}[2017/08/09 v1.0 bidi adaptations for hyperref package]
12270 \AtBeginDocument{%
12271 \def\contentsline#1#2#3#4{%
12272   \ifx\#4\%
12273     \csname l@#1\endcsname{#2}{#3}%
12274   \else
12275     \ifcase\Hy@linktoc % none
12276       \csname l@#1\endcsname{#2}{#3}%
12277     \or % section
12278       \csname l@#1\endcsname{%
12279         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12280       }{#3}%
12281     \or % page
12282       \csname l@#1\endcsname{#2}{#3}%
12283       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12284     }%
12285     \else % all
12286       \csname l@#1\endcsname{%
12287         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12288       }{#3}%
12289       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12290     }%
12291   \fi

```



```

12292 \fi
12293 }
12294 \ifHy@hyperfootnotes
12295 \let\H@@footnotetext\@footnotetext
12296 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
12297 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
12298 \def\xfootnotenext[#1]{%
12299 \begingroup
12300 \csname c@\@mpfn\endcsname #1\relax
12301 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12302 \endgroup
12303 \ifx\@footnotetext\@mpfootnotetext
12304 \expandafter\H@@mpfootnotetext
12305 \else
12306 \expandafter\H@@footnotetext
12307 \fi
12308 }%
12309 \def\xRTLfootnotenext[#1]{%
12310 \begingroup
12311 \csname c@\@mpfn\endcsname #1\relax
12312 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12313 \endgroup
12314 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
12315 \expandafter\HRTL@mpRTLfootnotetext
12316 \else
12317 \expandafter\HRTL@RTLfootnotetext
12318 \fi
12319 }%
12320 \def\xLTRfootnotenext[#1]{%
12321 \begingroup
12322 \csname c@\@mpfn\endcsname #1\relax
12323 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12324 \endgroup
12325 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
12326 \expandafter\HLTR@mpLTRfootnotetext
12327 \else
12328 \expandafter\HLTR@LTRfootnotetext
12329 \fi
12330 }%
12331 \def\xfootnotemark[#1]{%
12332 \begingroup
12333 \c@footnote #1\relax
12334 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
12335 \endgroup
12336 \H@@footnotemark
12337 }%
12338 \let\H@@mpfootnotetext\@mpfootnotetext
12339 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
12340 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
12341 \long\def\@mpfootnotetext#1{%

```



```

12342 \H@@mpfootnotetext{%
12343   \ifHy@nesting
12344     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12345   \else
12346     \Hy@raisedlink{%
12347       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12348     }#1%
12349   \fi
12350 }%
12351 }%
12352 \long\def\@mpRTLfootnotetext#1{%
12353   \HRTL@mpRTLfootnotetext{%
12354     \ifHy@nesting
12355       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12356     \else
12357       \Hy@raisedlink{%
12358         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12359       }#1%
12360     \fi
12361   }%
12362 }%
12363 \long\def\@mpLTRfootnotetext#1{%
12364   \HLTR@mpLTRfootnotetext{%
12365     \ifHy@nesting
12366       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12367     \else
12368       \Hy@raisedlink{%
12369         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12370       }#1%
12371     \fi
12372   }%
12373 }%
12374 \long\def\@footnotetext#1{%
12375   \H@@footnotetext{%
12376     \ifHy@nesting
12377       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12378     \else
12379       \Hy@raisedlink{%
12380         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12381       }%
12382       \let\@currentHlabel\Hy@footnote@currentHlabel
12383       \let\@currentHref\Hy@footnote@currentHref
12384       \let\@currentlabelname\@empty
12385       #1%
12386     \fi
12387   }%
12388 }%
12389 \long\def\@RTLfootnotetext#1{%
12390   \HRTL@RTLfootnotetext{%
12391     \ifHy@nesting

```




```

12392     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12393   \else
12394     \Hy@raisedlink{%
12395       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12396     }%
12397     \let\@currentHlabel\Hy@footnote@currentHlabel
12398     \let\@currentHref\Hy@footnote@currentHref
12399     \let\@currentlabelname\@empty
12400     #1%
12401   \fi
12402 }%
12403 }%
12404 \long\def\@LTRfootnotetext#1{%
12405   \HLTR@@LTRfootnotetext{%
12406     \ifHy@nesting
12407       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12408     \else
12409       \Hy@raisedlink{%
12410         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12411       }%
12412       \let\@currentHlabel\Hy@footnote@currentHlabel
12413       \let\@currentHref\Hy@footnote@currentHref
12414       \let\@currentlabelname\@empty
12415       #1%
12416     \fi
12417   }%
12418 }%
12419 \@ifpackageloaded{tabularx}{%
12420   \let\HyOrg@TX@endtabularx\TX@endtabularx
12421   \def\Hy@tabularx@hook{%
12422     \let\@footnotetext\H@@footnotetext
12423     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12424     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12425     \let\@footnotemark\H@@footnotemark
12426     \let\@mpfootnotetext\H@@mpfootnotetext
12427     \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
12428     \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
12429   }%
12430   \begingroup
12431     \toks@%expandafter{\TX@endtabularx}%
12432     \xdef\Hy@gtemp{%
12433       \noexpand\Hy@tabularx@hook
12434       \the\toks@
12435     }%
12436   \endgroup
12437   \let\TX@endtabularx\Hy@gtemp
12438 }{}%
12439 \@ifpackageloaded{longtable}{%
12440   \CheckCommand*\LT@p@LTRftntext}[1]{%
12441     \edef\@tempa{%

```



```

12442         \the\LT@p@ftn
12443         \noexpand\LTRfootnotetext[\the\c@footnote]%
12444     }%
12445     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12446 }%
12447 \long\def\LT@p@LTRftntext#1{%
12448     \edef\@tempa{%
12449         \the\LT@p@ftn
12450         \beginingroup
12451             \noexpand\c@footnote=\the\c@footnote\relax
12452             \noexpand\protected@xdef\noexpand\@thefnmark{%
12453                 \noexpand\thempfn
12454             }%
12455             \noexpand\Hy@LT@LTRfootnotetext{%
12456                 \Hy@footnote@currentHref
12457             }%
12458         }%
12459         \global\LT@p@ftn\expandafter{%
12460             \@tempa{#1}%
12461         \endgroup
12462     }%
12463 }%
12464 \long\def\Hy@LT@LTRfootnotetext#1#2{%
12465     \HLTR@@LTRfootnotetext{%
12466         \ifHy@nesting
12467             \hyper@@anchor{#1}{#2}%
12468         \else
12469             \Hy@raisedlink{%
12470                 \hyper@@anchor{#1}{\relax}%
12471             }%
12472             \def\@currentHref{#1}%
12473             \let\@currentlabelname\@empty
12474             #2%
12475         \fi
12476     }%
12477 }%
12478 \CheckCommand*{\LT@p@RTLftntext}[1]{%
12479     \edef\@tempa{%
12480         \the\LT@p@ftn
12481         \noexpand\RTLfootnotetext[\the\c@footnote]%
12482     }%
12483     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12484 }%
12485 \long\def\LT@p@RTLftntext#1{%
12486     \edef\@tempa{%
12487         \the\LT@p@ftn
12488         \beginingroup
12489             \noexpand\c@footnote=\the\c@footnote\relax
12490             \noexpand\protected@xdef\noexpand\@thefnmark{%
12491                 \noexpand\thempfn

```



```

12492     }%
12493     \noexpand\Hy@LT@RTLfootnotetext{%
12494         \Hy@footnote@currentHref
12495     }%
12496 }%
12497 \global\LT@p@ftn\expandafter{%
12498     \@tempa{#1}%
12499 \endgroup
12500 }%
12501 }%
12502 \long\def\Hy@LT@RTLfootnotetext#1#2{%
12503     \HRTL@RTLfootnotetext{%
12504         \ifHy@nesting
12505             \hyper@@anchor{#1}{#2}%
12506         \else
12507             \Hy@raisedlink{%
12508                 \hyper@@anchor{#1}{\relax}%
12509             }%
12510             \def\@currentHref{#1}%
12511             \let\@currentlabelname\@empty
12512             #2%
12513         \fi
12514     }%
12515 }%
12516 }{}%
12517 \@ifpackageloaded{bidipoem}{%
12518     \long\def\bidipoem@p@ftntext#1{%
12519         \edef\@tempx{%
12520             \the\bidipoem@p@ftn
12521         \begingroup
12522             \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12523             \noexpand\protected@xdef\noexpand\@thefnmark{%
12524                 \noexpand\thempfn
12525             }%
12526             \noexpand\Hy@bidipoem@footnotetext{%
12527                 \Hy@footnote@currentHref
12528             }%
12529         }%
12530         \global\bidipoem@p@ftn\expandafter{%
12531             \@tempx{#1}%
12532         \endgroup
12533     }%
12534 }%
12535 \long\def\Hy@bidipoem@footnotetext#1#2{%
12536     \H@@footnotetext{%
12537         \ifHy@nesting
12538             \hyper@@anchor{#1}{#2}%
12539         \else
12540             \Hy@raisedlink{%
12541                 \hyper@@anchor{#1}{\relax}%

```



```

12542     }%
12543     \def\@currentHref{#1}%
12544     \let\@currentlabelname\@empty
12545     #2%
12546   \fi
12547 }%
12548 }%
12549   \long\def\bidipoem@p@LTRftntext#1{%
12550   \edef\@tempxi{%
12551     \the\bidipoem@p@ftn
12552   \beginingroup
12553     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12554     \noexpand\protected@xdef\noexpand\@thefnmark{%
12555       \noexpand\thempfn
12556     }%
12557     \noexpand\Hy@bidipoem@LTRfootnotetext{%
12558       \Hy@footnote@currentHref
12559     }%
12560   }%
12561   \global\bidipoem@p@ftn\expandafter{%
12562     \@tempxi{#1}%
12563   \endgroup
12564   }%
12565 }%
12566 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12567   \HLTR@LTRfootnotetext{%
12568     \ifHy@nesting
12569       \hyper@@anchor{#1}{#2}%
12570     \else
12571       \Hy@raisedlink{%
12572         \hyper@@anchor{#1}{\relax}%
12573       }%
12574       \def\@currentHref{#1}%
12575       \let\@currentlabelname\@empty
12576       #2%
12577     \fi
12578   }%
12579 }%
12580   \long\def\bidipoem@p@RTLftntext#1{%
12581   \edef\@tempxii{%
12582     \the\bidipoem@p@ftn
12583   \beginingroup
12584     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12585     \noexpand\protected@xdef\noexpand\@thefnmark{%
12586       \noexpand\thempfn
12587     }%
12588     \noexpand\Hy@bidipoem@RTLfootnotetext{%
12589       \Hy@footnote@currentHref
12590     }%
12591   }%

```



```

12592     \global\bidipoem@p@ftn\expandafter{%
12593         \@tempxi{#1}%
12594     \endgroup
12595 }%
12596 }%
12597 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12598     \HRTL@RTLfootnotetext{%
12599         \ifHy@nesting
12600             \hyper@@anchor{#1}{#2}%
12601         \else
12602             \Hy@raisedlink{%
12603                 \hyper@@anchor{#1}{\relax}%
12604             }%
12605             \def\@currentHref{#1}%
12606             \let\@currentlabelname\@empty
12607             #2%
12608         \fi
12609     }%
12610 }%
12611 }{}%
12612 \let\HyOrg@maketitle\maketitle
12613 \def\maketitle{%
12614     \let\Hy@saved@footnotemark\@footnotemark
12615     \let\Hy@saved@footnotetext\@footnotetext
12616     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12617     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12618     \let\@footnotemark\H@@footnotemark
12619     \let\@footnotetext\H@@footnotetext
12620     \let\@RTLfootnotetext\HRTL@RTLfootnotetext
12621     \let\@LTRfootnotetext\HLTR@LTRfootnotetext
12622     \@ifnextchar[\Hy@maketitle@optarg{% ]
12623         \HyOrg@maketitle
12624         \Hy@maketitle@end
12625     }%
12626 }%
12627 \def\Hy@maketitle@optarg[#1]{%
12628     \HyOrg@maketitle[#1]%
12629     \Hy@maketitle@end
12630 }%
12631 \def\Hy@maketitle@end{%
12632     \ifx\@footnotemark\H@@footnotemark
12633         \let\@footnotemark\Hy@saved@footnotemark
12634     \fi
12635     \ifx\@footnotetext\H@@footnotetext
12636         \let\@footnotetext\Hy@saved@footnotetext
12637     \fi
12638     \ifx\@RTLfootnotetext\HRTL@RTLfootnotetext
12639         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12640     \fi
12641     \ifx\@LTRfootnotetext\HLTR@LTRfootnotetext

```



```

12642     \let\@LTrfootnotetext\HyLTR@saved@LTrfootnotetext
12643     \fi
12644   }%
12645   \def\realfootnote{%
12646     \@ifnextchar[\@xfootnote{%
12647       \stepcounter{\@mpfn}%
12648       \protected@xdef\@thefnmark{\thempfn}%
12649       \H@@footnotemark\H@@footnotetext
12650     }%
12651   }%
12652   \fi
12653   \def\Hy@BeginAnnot#1{%
12654     \ifmmode\else\beginL\fi%
12655     \global\advance\c@Hy@AnnotLevel\@ne
12656     \ifnum\c@Hy@AnnotLevel=\@ne
12657       #1%
12658     \fi
12659   }
12660   \def\Hy@endAnnot{%
12661     \ifnum\c@Hy@AnnotLevel=\@ne
12662       \Hy@endcolorlink
12663       \@pdfm@mark{eann}%
12664     \fi
12665     \global\advance\c@Hy@AnnotLevel\m@ne
12666     \ifmmode\else\endL\fi%
12667   }
12668   \def\hyper@link#1#2#3{%
12669     \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi%
12670   }
12671   \def\hyper@linkfile#1#2#3{%
12672     \leavevmode
12673     \Hy@BeginAnnot{%
12674       \def\Hy@pstringF{#2}%
12675       \Hy@CleanupFile\Hy@pstringF
12676       \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12677       \Hy@pstringdef\Hy@pstringD{#3}%
12678       \Hy@MakeRemoteAction
12679       \@pdfm@mark{%
12680         bann<<%
12681         /Type/Annot%
12682         /Subtype/Link%
12683         \ifHy@pdfa /F 4\fi
12684         \Hy@setpdfborder
12685         \ifx\@filebordercolor\relax
12686         \else
12687           /C[\@filebordercolor]%
12688         \fi
12689         /A<<%
12690         /S/GoToR%
12691         /F(\Hy@pstringF)%

```



```

12692         /D%
12693         \ifx\\#3\\%
12694             [\Hy@href@page\@pdfremotestartview]%
12695         \else
12696             (\Hy@pstringD)%
12697         \fi
12698         \Hy@SetNewWindow
12699         \Hy@href@nextactionraw
12700     >>%
12701 >>%
12702 }%
12703 \Hy@colorlink\@filecolor
12704 }%
12705 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12706 \Hy@endAnnot
12707 }
12708 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
12709 \leavevmode
12710 \Hy@BeginAnnot{%
12711     \Hy@pstringdef\Hy@pstringF{#1}%
12712     \Hy@pstringdef\Hy@pstringP{#3}%
12713     \@pdfm@mark{%
12714         bann<<%
12715         /Type/Annot%
12716         /Subtype/Link%
12717         \ifHy@pdfa /F 4\fi
12718         \Hy@setpdfborder
12719         \ifx\@runbordercolor\relax
12720         \else
12721             /C[\@runbordercolor]%
12722         \fi
12723         /A<<%
12724         /F(\Hy@pstringF)%
12725         /S/Launch%
12726         \Hy@SetNewWindow
12727         \ifx\\#3\\%
12728         \else
12729             /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12730         \fi
12731         \Hy@href@nextactionraw
12732     >>%
12733 >>%
12734 }%
12735 \Hy@colorlink\@runcolor
12736 }%
12737 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12738 \Hy@endAnnot
12739 }
12740 \def\hyper@linkurl#1#2{%
12741 \leavevmode

```



```

12742 \Hy@BeginAnnot{%
12743   \Hy@pstringdef\Hy@pstringURI{#2}%
12744   \@pdfm@mark{%
12745     bann<<%
12746     /Type/Annot%
12747     /Subtype/Link%
12748     \ifHy@pdfa /F 4\fi
12749     \Hy@setpdfborder
12750     \ifx\@urlbordercolor\relax
12751     \else
12752       /C[\@urlbordercolor]%
12753     \fi
12754     /A<<%
12755     /S/URI%
12756     /URI(\Hy@pstringURI)%
12757     \ifHy@href@ismap
12758       /IsMap true%
12759     \fi
12760     \Hy@href@nextactionraw
12761     >>%
12762   >>%
12763   }%
12764   \Hy@colorlink\@urlcolor
12765   }%
12766   \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12767   \Hy@EndAnnot
12768 }
12769 \def\Acrobatmenu#1#2{%
12770   \Hy@Acrobatmenu{#1}{#2}{%
12771     \Hy@BeginAnnot{%
12772       \EdefEscapeName\Hy@temp@menu{#1}%
12773       \@pdfm@mark{%
12774         bann<<%
12775         /Type/Annot%
12776         /Subtype/Link%
12777         \ifHy@pdfa /F 4\fi
12778         \Hy@setpdfborder
12779         \ifx\@menubordercolor\relax
12780         \else
12781           /C[\@menubordercolor]%
12782         \fi
12783         /A<<%
12784         /S/Named%
12785         /N/\Hy@temp@menu
12786         \Hy@href@nextactionraw
12787         >>%
12788       >>%
12789       }%
12790       \Hy@colorlink\@menucolor
12791     }%

```




```

12792 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12793 \Hy@EndAnnot
12794 }%
12795 }
12796 \def\hyper@natlinkstart#1{%
12797 \Hy@backout{#1}%
12798 \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12799 \def\hyper@nat@current{#1}%
12800 }
12801 \def\hyper@natlinkend{%
12802 \if@RTL\endR\fi\hyper@linkend
12803 }
12804 \def\hyper@natlinkbreak#1#2{%
12805 \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12806 }%
12807 }
12808 \pdfstringdefDisableCommands{%
12809 \let\LRE\@firstofone
12810 \let\LR\@firstofone
12811 \let\RLE\@firstofone
12812 \let\RL\@firstofone
12813 \def\XeTeX{Xe\TeX}
12814 \def\XeLaTeX{Xe\LaTeX}
12815 }
12816 \@ifpackageloaded{longtable}{%
12817 \begingroup
12818 \def\y{\LT@array}%
12819 \@ifundefined{scr@LT@array}{%
12820 \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
12821 }{\def\y{\scr@LT@array}}%
12822 \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12823 \expandafter\endgroup
12824 \expandafter\def\y[##1]##2{%
12825 \H@refstepcounter{#1}%
12826 \hyper@makecurrent{table}%
12827 \let\Hy@LT@currentHref\@currentHref
12828 #2\@sharp####4%
12829 }%
12830 }%
12831 \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
12832 \begingroup
12833 \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12834 \endgroup
12835 \def\LT@start{%
12836 #1%
12837 \ifvoid\LT@foot#2\fi
12838 \let\@currentHref\Hy@LT@currentHref
12839 \Hy@raisedlink{%
12840 \hyper@anchorstart{\@currentHref}\hyper@anchorend
12841 }%

```



```

12842      #3%
12843    }%
12844  }%
12845  \expandafter\x\LT@start\@nil
12846 }{}

```

71 File imspc-xetex-bidi.def

```

12847 \ProvidesFile{imspc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspc class for ]
12848 \newenvironment{thebibliography}[1]{%
12849   \@bibtitlestyle
12850   \normalfont\bibliofont\labelsep .5em\relax
12851   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
12852   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12853   \bidi@thebibliography@font@hook
12854   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
12855     \leftmargin\labelwidth \advance\leftmargin\labelsep
12856     \usecounter{enumiv}}%
12857   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
12858   \sfcode\@.=\@m
12859 }{}%
12860 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
12861 \endlist
12862 }
12863
12864 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
12865   \columnseprule\z@ \columnsep 35\p@
12866   \@indextitlestyle
12867   \thispagestyle{plain}%
12868   \let\item\@idxitem
12869   \parindent\z@ \parskip\z@\@plus.3\p@\relax
12870   \if@RTL\raggedleft\else\raggedright\fi
12871   \hyphenpenalty\@M
12872   \footnotesize}
12873 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
12874 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12875 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12876
12877 \def\right@footnoterule{%
12878   \kern-.4\p@
12879   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
12880   \kern11\p@\kern-\footnotesep}
12881 \def\left@footnoterule{\kern-.4\p@
12882   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12883 \def\@makefnmark{%
12884   \leavevmode
12885   \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}}%
12886 }
12887
12888 \def\part{\@startsection{part}{0}%

```



```

12889 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
12890 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12891 \def\@tocline#1#2#3#4#5#6#7{\relax
12892 \ifnum #1>\c@tocdepth % then omit
12893 \else
12894 \par \addpenalty\@secpenalty\addvspace{#2}%
12895 \begingroup \hyphenpenalty\@M
12896 \@ifempty{#4}{%
12897 \@tempdima\csname r@tocindent\number#1\endcsname\relax
12898 }{%
12899 \@tempdima#4\relax
12900 }%
12901 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#4\relax
12902 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12903 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12904 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
12905 \nobreak
12906 \endgroup
12907 \fi}
12908 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
12909 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
12910 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
12911 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
12912 \def\maketitle{\par
12913 \@topnum\z@ % this prevents figures from falling at the top of page 1
12914 \@setcopyright
12915 \thispagestyle{firstpage}% this sets first page specifications
12916 \uppercasenonmath\shorttitle
12917 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
12918 \else \andify\shortauthors
12919 \fi
12920 \@maketitle@hook
12921 \begingroup
12922 \@maketitle
12923 \toks@{\xp{\shortauthors}}\@temptokena{\xp{\shorttitle}}%
12924 \toks4{\def\\{\ignorespaces}}% defend against questionable usage
12925 \edef\@tempa{%
12926 \@nx\markboth{\the\toks4
12927 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
12928 \@tempa
12929 \endgroup
12930 \c@footnote\z@
12931 \clearatopmattertags
12932 }

```

72 File legno-xetex-bidi.def

```

12933 \ProvidesFile{legno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for legno tag for XeTeX]
12934 \renewcommand\@eqnnum{\hb@xt@.01\p@{}%
12935 \rlap{\hskip -\displaywidth

```



12936

{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}

73 File letter-xetex-bidi.def

```

12937 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
12938 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
12939   \thispagestyle{firstpage}%
12940   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12941 \else % home address
12942   \thispagestyle{empty}%
12943   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r{}}\else\begin{tabular}{l}
12944     \fromaddress \*[2\parskip]%
12945     \@date \end{tabular}\par}%
12946 \fi
12947 \vspace{2\parskip}%
12948 {\if@RTL\raggedleft\else\raggedright\fi \toname \\\ toaddress \par}%
12949 \vspace{2\parskip}%
12950 #1\par\nobreak}
12951 \renewcommand\left@footnoterule{%
12952   \kern-\p@
12953   \hrule \@width .4\columnwidth
12954   \kern .6\p@}
12955 \renewcommand\right@footnoterule{%
12956   \kern-\p@
12957   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12958   \kern .6\p@}

```

74 File lettrine-xetex-bidi.def

```

12959 \ProvidesFile{lettrine-xetex-bidi.def}[2018/10/01 v0.6 bidi adaptations for lettrine package]
12960 \def\@lettrine[#1]#2#3{%
12961   \def\l@initial{#2}\let\l@refstring\l@initial
12962   \setcounter{L@lines}{\value{DefaultLines}}%
12963   \setcounter{L@depth}{\value{DefaultDepth}}%
12964   \renewcommand*{\L@hang}{\DefaultLhang}%
12965   \renewcommand*{\L@oversize}{\DefaultLoversize}%
12966   \renewcommand*{\L@raise}{\DefaultLraise}%
12967   \renewcommand*{\L@ante}{}%
12968   \setlength{\L@Findent}{\DefaultFindent}%
12969   \setlength{\L@Nindent}{\DefaultNindent}%
12970   \setlength{\L@slope}{\DefaultSlope}%
12971   \setlength{\L@novskip}{\DiscardVskip}%
12972   \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12973   \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12974   \ifLettrineRealHeight\L@realhtrue\else\L@realhfalse\fi
12975   \ifLettrineSelfRef\L@selfreftrue\else\L@selfreffalse\fi
12976   \setkeys{L}{#1}%
12977   \sbox{\L@tbox}{\LettrineTextFont{\LettrineSecondString}}%
12978   \ifL@realh
12979     \def\@tempa{#3}%

```



```

12980 \ifx\@tempa\@empty
12981 \PackageWarning{lettrine.sty}%
12982 {Empty second argument,\MessageBreak
12983 ignoring option `realheight';}%
12984 \else
12985 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12986 \fi
12987 \fi
12988 \if\DefaultOptionsFile\relax
12989 \else
12990 \begingroup
12991 \InputIfFileExists{\DefaultOptionsFile}%
12992 {}%
12993 {\PackageWarning{lettrine.sty}%
12994 {File \DefaultOptionsFile\space not found}%
12995 }%
12996 \def\color##1##{\l@color{##1}}%
12997 \let\l@color\@gobbletwo
12998 \def\textcolor##1##{\l@textcolor{##1}}%
12999 \def\l@textcolor##1##2##3{##3}%
13000 \expandafter\ifx\csname l@#2-keys\endcsname\relax
13001 \gdef\l@LOKeys{}%
13002 \else
13003 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
13004 \fi
13005 \endgroup
13006 \def\KV@prefix{KV@L@}%
13007 \let\@tempc\relax
13008 \expandafter\KV@do\l@LOKeys,\relax,
13009 \setupL@lbox
13010 \setlength{\LettrineWidth}{\wd\L@lbox}%
13011 \def\KV@prefix{KV@L@}%
13012 \let\@tempc\relax
13013 \expandafter\KV@do\l@LOKeys,\relax,
13014 \setkeys{L}{#1}%
13015 \fi
13016 \setupL@lbox
13017 \setlength{\LettrineWidth}{\wd\L@lbox}%
13018 \setlength{\LettrineHeight}{\ht\L@lbox}%
13019 \setlength{\LettrineDepth}{\dp\L@lbox}%
13020 \begingroup
13021 \def\IeC##1{##1}%
13022 \@tempdima=\L@oversize pt\relax
13023 \PackageInfo{lettrine.sty}%
13024 {Targeted height = \the\L@target@tth\MessageBreak
13025 (no accent, loversize=0),\MessageBreak
13026 Lettrine height = \the\LettrineHeight\space (#2)%
13027 \ifdim\@tempdima=z@\else\space loversize=\L@oversize\fi;%
13028 \MessageBreak reported}%
13029 \endgroup

```



```

13030 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
13031 \setlength{\L@first}{\LettrineHeight}%
13032 \setlength{\L@lraise}{\L@raise\L@target@ttht}%
13033 \addtolength{\L@first}{\L@lraise}%
13034 \ifnum\value{L@lines}=1
13035   \addtolength{\L@first}{-\ht\L@tbox}%
13036 \else
13037   \addtolength{\L@first}{-\L@target@ttht}%
13038   \addtolength{\L@lraise}{-\L@target@dp}%
13039 \fi
13040 \par
13041 \ifdim\L@first>\L@novskip
13042   \ifL@grid
13043     \@tempdima=\baselineskip
13044     \@tempdimb=\@tempdima
13045     \advance\@tempdimb by \L@novskip
13046     \@tempcnta=1
13047     \loop\ifdim\L@first>\@tempdimb
13048       \advance\@tempcnta by 1
13049       \advance\L@first by -\@tempdima
13050     \repeat
13051     \L@first=\@tempcnta\baselineskip
13052   \fi
13053   \vskip\L@first
13054 \fi
13055 \setlength{\L@Pindent}{\wd\L@lbox}%
13056 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
13057 \settowidth{\L@first}{\L@ante}%
13058 \addtolength{\L@Pindent}{\L@first}%
13059 \addtolength{\L@Pindent}{\L@Findent}%
13060 \setlength{\L@first}{\linewidth}%
13061 \addtolength{\L@first}{-\L@Pindent}%
13062 \addtolength{\L@Nindent}{\L@Pindent}%
13063 \setlength{\L@next}{\linewidth}%
13064 \addtolength{\L@next}{-\L@Nindent}%
13065 \addtolength{\L@Pindent}{\rightmargin}%
13066 \addtolength{\L@Nindent}{\rightmargin}%
13067 \addtocounter{L@lines}{1}%
13068 \addtocounter{L@lines}{\value{L@depth}}%
13069 \if@RTL
13070   \def\L@parshape{\c@L@lines \z@ \the\L@first}%
13071 \else
13072   \def\L@parshape{\c@L@lines \the\L@Pindent \the\L@first}%
13073 \fi
13074 \@tempcnta=\tw@
13075 \@whilenum \@tempcnta<\c@L@lines\do{%
13076   \if@RTL
13077     \edef\L@parshape{\L@parshape \z@ \the\L@next}%
13078   \else
13079     \edef\L@parshape{\L@parshape \the\L@Nindent \the\L@next}%

```



```

13080 \fi
13081 \addtolength{\L@Nindent}{\L@slope}%
13082 \addtolength{\L@next}{-\L@slope}%
13083 \advance\@tempcnta\@ne}%
13084 \if@RTL
13085 \edef\L@parshape{\L@parshape \z@ \the\linewidth}%
13086 \else
13087 \edef\L@parshape{\L@parshape \rightmargin \the\linewidth}%
13088 \fi
13089 \noindent
13090 \parshape=\L@parshape\relax
13091 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
13092 \hskip \the\L@Findent}}%
13093 \usebox{\L@tbox}%
13094 }

```

75 File lineno-xetex-bidi.def

```

13095 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for X
13096 \bidi@patchcmd{\MakeLineNo}{%
13097 \hb@xt@\z@{\makeLineNumber}%
13098 }{%
13099 \hboxL to \z@{\makeLineNumber}%
13100 }{}{}
13101
13102 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
13103 \if@RTL
13104 \hb@xt@\linewidthwidth{\LineNumber\hss}%
13105 \else
13106 \LineNumber
13107 \fi
13108 }{}{}
13109
13110 \bidi@patchcmd{\makeLineNumberRight}{%
13111 \hb@xt@\linewidthwidth{\hss\LineNumber}%
13112 }{%
13113 \if@RTL
13114 \LineNumber
13115 \else
13116 \hb@xt@\linewidthwidth{\hss\LineNumber}%
13117 \fi
13118 }{}{}
13119
13120 \bidi@AfterPreamble{%
13121 \if@RTLmain
13122 \rightlinenumbers*
13123 \else
13124 \leftlinenumbers*
13125 \fi
13126 \@ifpackagewith{lineno}{left}{%

```



```

13127 \leftlinenumbers*
13128 }{}
13129 \@ifpackagewith{lineno}{right}{%
13130 \rightlinenumbers*
13131 }{}
13132 }
13133

```

76 File listings-xetex-bidi.def

```

13134 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
13135 \lst@Key{captiondirection}{textdirection}{%
13136 \lstKV@SwitchCases{#1}%
13137 {textdirection:\\%
13138 RTL:\chardef\bidi@lst@caption@direction\@ne\\%
13139 LTR:\chardef\bidi@lst@caption@direction\z@%
13140 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13141
13142 \lst@Key{captionscript}{textscript}{%
13143 \lstKV@SwitchCases{#1}%
13144 {textscript:\\%
13145 latin:\chardef\bidi@lst@caption@script\@ne\\%
13146 nonlatin:\chardef\bidi@lst@caption@script\z@%
13147 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13148
13149 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
13150 \@ifundefined{bidi@lst@caption@direction}{}{%
13151 \ifnum\bidi@lst@caption@direction=\z@%
13152 #1%
13153 \else%
13154 \ifnum\bidi@lst@caption@direction=\@ne%
13155 #2%
13156 \fi%
13157 \fi%
13158 }}
13159
13160 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
13161 \@ifundefined{bidi@lst@caption@script}{}{%
13162 \ifnum\bidi@lst@caption@script=\z@%
13163 #1%
13164 \else%
13165 \ifnum\bidi@lst@caption@script=\@ne%
13166 #2%
13167 \fi%
13168 \fi%
13169 }}
13170
13171 \long\def\bidi@lst@makecaption#1#2{%
13172 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13173 \vskip\abovcaptionskip

```




```

13174 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13175 \sbox\@tempboxa{%
13176 \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
13177 #1: #2%
13178 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
13179 }%
13180 \ifdim \wd\@tempboxa >\hsize
13181 #1: #2\par
13182 \else
13183 \global \@minipagefalse
13184 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13185 \fi
13186 \vskip\belowcaptionskip}%
13187 \def\lst@makecaption{\@bidi@lst@makecaption}
13188 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
13189 \bidi@AtEndPreamble{%
13190 \bidi@patchcmd{\lst@MakeCaption}{%
13191 \ifx #1%
13192 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13193 \expandafter\refstepcounter
13194 \fi {lstlisting}%
13195 }{%
13196 \ifx #1%
13197 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13198 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13199 \expandafter\refstepcounter
13200 \fi {lstlisting}%
13201 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
13202 }{}{}%
13203 \bidi@patchcmd{\lst@MakeCaption}{%
13204 \addcontentsline{lol}{lstlisting}%
13205 {\protect\numberline{\thelstlisting}\lst@@caption}%
13206 }{%
13207 \begingroup%
13208 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13209 \addcontentsline{lol}{lstlisting}%
13210 {\protect\numberline{\thelstlisting}\lst@@caption}%
13211 \endgroup%
13212 }{}{}%
13213 }
13214 \ifpackageloaded{caption}{%
13215 \AtBeginCaption{%
13216 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13217 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13218 }
13219 \let\@bidi@lst@makecaption\caption@makecaption%
13220 \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
13221 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
13222 }{%
13223 \AtBeginDocument{%

```



```

13224 \ifundefined{captionlabelfalse}{\let\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
13225 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
13226 \ifundefined{caption@startrue}{\let\caption@startrue\@bidi@lst@makecaption\@empty}}%
13227 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
13228 }%
13229 }
13230 \AtBeginDocument{
13231 \ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{\let\lst@ifnumberbychapter
13232 \lst@ifnumberbychapter
13233 \gdef\thelstlisting%
13234 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
13235 \else
13236 \gdef\thelstlisting{\@arabic\c@lstlisting}
13237 \fi}

```

77 File loadingorder-xetex-bidi.def

```

13238 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the last
13239 \bidi@isloaded{amsmath}
13240 \bidi@isloaded{amstext}
13241 \bidi@isloaded{amsthm}
13242 \bidi@isloaded{animate}
13243 \bidi@isloaded{breqn}
13244 \bidi@isloaded{cals}
13245 \bidi@isloaded{caption}
13246 \bidi@isloaded{crop}
13247 \bidi@isloaded{cuted}
13248 \bidi@isloaded{cutwin}
13249 \bidi@isloaded{color}
13250 \bidi@isloaded{dblfnote}
13251 \bidi@isloaded{diagbox}
13252 \bidi@isloaded{xcolor}
13253 \bidi@isloaded{colortbl}
13254 \bidi@isloaded{float}
13255 \bidi@isloaded{floatrow}
13256 \bidi@isloaded{flowfram}
13257 \bidi@isloaded{framed}
13258 \bidi@isloaded{ftnright}
13259 \bidi@isloaded{xltextra}
13260 \bidi@isloaded{xunicode}
13261 \bidi@isloaded{wrapfig}
13262 \bidi@isloaded{graphicx}
13263 \bidi@isloaded{geometry}
13264 \bidi@isloaded{hvfloat}
13265 \bidi@isloaded{mdframed}
13266 \bidi@isloaded{midfloat}
13267 \bidi@isloaded{ntheorem}
13268 \bidi@isloaded{ntheorem-hyper}
13269 \bidi@isloaded{hyperref}
13270 \bidi@isloaded{fancybox}

```



```

13271 \bidi@isloaded{fancyhdr}
13272 \bidi@isloaded{fix2col}
13273 \bidi@isloaded{draftwatermark}
13274 \bidi@isloaded{empheq}
13275 \bidi@isloaded{overpic}
13276 \bidi@isloaded{pdfpages}
13277 \bidi@isloaded{listings}
13278 \bidi@isloaded{lettrine}
13279 \bidi@isloaded{lineno}
13280 \bidi@isloaded{media9}
13281 \bidi@isloaded{pstricks}
13282 \bidi@isloaded{pgf}
13283 \bidi@isloaded{picinpar}
13284 \bidi@isloaded{quotchap}
13285 \bidi@isloaded{tikz}
13286 \bidi@isloaded{titlesec}
13287 \bidi@isloaded{titletoc}
13288 \bidi@isloaded{array}
13289 \bidi@isloaded{soul}
13290 \bidi@isloaded{stabular}
13291 \bidi@isloaded{subfig}
13292 \bidi@isloaded{subfigure}
13293 \bidi@isloaded{supertabular}
13294 \bidi@isloaded{xtab}
13295 \bidi@isloaded{longtable}
13296 \bidi@isloaded{arydshln}
13297 \bidi@isloaded{multicol}
13298 \bidi@isloaded{multienum}
13299 \bidi@isloaded{minitoc}
13300 \bidi@isloaded{natbib}
13301 \bidi@isloaded{newfloat}
13302 \bidi@isloaded{ragged2e}
13303 \bidi@isloaded{rotating}
13304 \bidi@isloaded{tbls}
13305 \bidi@isloaded{tabulary}
13306 \bidi@isloaded{tocbasic}
13307 \bidi@isloaded{tocstyle}
13308 \bidi@isloaded{tocbibind}
13309 \bidi@isloaded{fontspec}
13310 \bidi@isloaded{arabxetex}
13311 \bidi@isloaded{polyglossia}
13312 \bidi@isloaded{fancyvrb}
13313 \AtBeginDocument{
13314   \if@bidi@amsmathloaded@ \else
13315     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package}{}]
13316   \fi%
13317   \if@bidi@amstextloaded@ \else
13318     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package}{}]
13319   \fi%
13320   \if@bidi@amsthmloaded@ \else

```



```

13321 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package
13322 \fi%
13323 \if@bidi@animateloaded@else
13324 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi packag
13325 \fi%
13326 \if@bidi@breqnloaded@else
13327 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package
13328 \fi%
13329 \if@bidi@calsloaded@else
13330 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package.
13331 \fi%
13332 \if@bidi@captionloaded@else
13333 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi packag
13334 \fi%
13335 \if@bidi@croploaded@else
13336 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package.
13337 \fi%
13338 \if@bidi@colorloaded@else
13339 \ifpackageloaded{hyperref}{}{%
13340 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package
13341 \fi%
13342 \if@bidi@cutwinloaded@else
13343 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packag
13344 \fi%
13345 \if@bidi@cutedloaded@else
13346 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package
13347 \fi%
13348 \if@bidi@dblfnoteloaded@else
13349 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pack
13350 \fi%
13351 \if@bidi@diagboxloaded@else
13352 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi packag
13353 \fi%
13354 \if@bidi@xcolorloaded@else
13355 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packag
13356 \fi%
13357 \if@bidi@colortblloaded@else
13358 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pack
13359 \fi%
13360 \if@bidi@floatloaded@else
13361 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package
13362 \fi%
13363 \if@bidi@floatrowloaded@else
13364 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pack
13365 \fi%
13366 \if@bidi@flowframloaded@else
13367 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pack
13368 \fi%
13369 \if@bidi@framedloaded@else
13370 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packag

```



```

13371 \fi%
13372 \if@bidi@ftnrightloaded@else
13373 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi packa
13374 \fi%
13375 \if@bidi@xltxtraloaded@else
13376 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi packa
13377 \fi%
13378 \if@bidi@xunicodeloaded@else
13379 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi packa
13380 \fi%
13381 \if@bidi@wrapfigloaded@else
13382 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi packa
13383 \fi%
13384 \if@bidi@graphicxloaded@else
13385 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi packa
13386 \fi%
13387 \if@bidi@geometryloaded@else
13388 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi packa
13389 \fi%
13390 \if@bidi@hvfloatloaded@else
13391 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi packa
13392 \fi%
13393 \if@bidi@mdframedloaded@else
13394 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi packa
13395 \fi%
13396 \if@bidi@midfloatloaded@else
13397 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi packa
13398 \fi%
13399 \if@bidi@ntheoremloaded@else
13400 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi packa
13401 \fi%
13402 \if@bidi@hyperrefloaded@else
13403 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi packa
13404 \fi%
13405 \if@bidi@fancyboxloaded@else
13406 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi packa
13407 \fi%
13408 \if@bidi@fancyhdrloaded@else
13409 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi packa
13410 \fi%
13411 \if@bidi@draftwatermarkloaded@else
13412 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bid
13413 \fi%
13414 \if@bidi@empheqloaded@else
13415 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package
13416 \fi%
13417 \if@bidi@overpicloaded@else
13418 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi packa
13419 \fi%
13420 \if@bidi@pdfpagesloaded@else

```



```

13421 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi packa
13422 \fi%
13423 \if@bidi@lettrineloaded@else
13424 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi packa
13425 \fi%
13426 \if@bidi@linenoloaded@else
13427 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi package
13428 \fi%
13429 \if@bidi@listingsloaded@else
13430 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi packa
13431 \fi%
13432 \csname if@bidi@media9loaded@endcsname\else
13433 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package
13434 \fi%
13435 \if@bidi@pstricksloaded@else
13436 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi packa
13437 \fi%
13438 \if@bidi@pgfloaded@else
13439 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
13440 \fi%
13441 \if@bidi@picinparloaded@else
13442 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi packa
13443 \fi%
13444 \if@bidi@quotchaploaded@else
13445 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi packa
13446 \fi%
13447 \if@bidi@tikzloaded@else
13448 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package.
13449 \fi%
13450 \if@bidi@titlesecloaded@else
13451 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi packa
13452 \fi%
13453 \if@bidi@titletocloaded@else
13454 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi packa
13455 \fi%
13456 \if@bidi@arrayloaded@else
13457 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package
13458 \fi%
13459 \if@bidi@stabularloaded@else
13460 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi packa
13461 \fi%
13462 \if@bidi@soulloaded@else
13463 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package.
13464 \fi%
13465 \if@bidi@subfigloaded@else
13466 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package
13467 \fi%
13468 \if@bidi@subfigureloaded@else
13469 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pack
13470 \fi%

```



```

13471 \if@bidi@supertabularloaded@else
13472   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi p
13473 \fi%
13474 \if@bidi@xtabloaded@else
13475   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package.
13476 \fi%
13477 \if@bidi@longtableloaded@else
13478   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pack
13479 \fi%
13480 \if@bidi@arydshlnloaded@else
13481   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi packa
13482 \fi%
13483 \if@bidi@multicolloaded@else
13484   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi packa
13485 \fi%
13486 \if@bidi@multienumloaded@else
13487   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pack
13488 \fi%
13489 \if@bidi@minitocloaded@else
13490   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packag
13491 \fi%
13492 \if@bidi@natbibloaded@else
13493   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package
13494 \fi%
13495   \if@bidi@newfloatloaded@else
13496     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi packa
13497 \fi%
13498 \cscname if@bidi@ragged2eloaded@endcscname\else
13499   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi packa
13500 \fi%
13501   \if@bidi@rotatingloaded@else
13502     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi packa
13503 \fi%
13504 \if@bidi@tblsloaded@else
13505   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package
13506 \fi%
13507 \if@bidi@tabularyloaded@else
13508   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi packa
13509 \fi%
13510 \if@bidi@tocbasicloaded@else
13511   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi packa
13512 \fi%
13513 \if@bidi@tocstyleloaded@else
13514   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi packa
13515 \fi%
13516 \if@bidi@tocbibindloaded@else
13517   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pack
13518 \fi%
13519 \if@bidi@fontspecloaded@else
13520   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi packa

```



```

13521 \fi%
13522 \if@bidi@arabxetexloaded@else
13523   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pack
13524 \fi%
13525 \if@bidi@polyglossia@loaded@else
13526   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi p
13527 \fi%
13528 \if@bidi@fancyvrb@loaded@else
13529   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pack
13530 \fi%
13531 }

```

78 File longtable-xetex-bidi.def

```

13532 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package]
13533 \def\LT@array[#1]#2{%
13534   \refstepcounter{table}\stepcounter{LT@tables}%
13535   \if l#1%
13536     \if@RTLtab\LTleft\fill \LTRight\z@ \else\LTleft\z@ \LTRight\fill\fi
13537   \else\if r#1%
13538     \if@RTLtab\LTleft\z@ \LTRight\fill\else\LTleft\fill \LTRight\z@\fi
13539   \else\if c#1%
13540     \LTleft\fill \LTRight\fill
13541   \fi\fi\fi
13542   \let\LT@mc@col\multicolumn
13543   \let\LT@tabarray\@tabarray
13544   \let\LT@hline\hline
13545   \def\@tabarray{%
13546     \let\hline\LT@hline
13547     \LT@tabarray}%
13548   \let\LT@tabularcr\let\tabularnewline\%
13549   \def\newpage{\noalign{\break}}%
13550   \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13551   \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}%
13552   \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13553   \@tempdima\ht\strutbox
13554   \let\@endpbox\LT@endpbox
13555   \ifx\extrarowheight\@undefined
13556     \let\@acol\@tabacol
13557     \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13558     \def\@startpbox{\vtop\LT@startpbox}%
13559     \let\@startpbox\@startpbox
13560     \let\@endpbox\@endpbox
13561     \let\LT@LL@FM@cr\@tabularcr
13562   \else
13563     \advance\@tempdima\extrarowheight
13564     \col@sep\@tabcolsep
13565     \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13566   \fi
13567   \setbox\@arstrutbox\hbox{\vrule

```




```

13568 \@height \arraystretch \@tempdima
13569 \@depth \arraystretch \dp \strutbox
13570 \@width \z@}%
13571 \let\@sharp#\let\protect\relax
13572 \begingroup
13573 \mkpream{#2}%
13574 \xdef\LT@bchunk{%
13575 \global\advance\c@LT@chunks\@ne
13576 \global\LT@rows\z@\setbox\z@\vbox\bgroup
13577 \LT@setprevdepth
13578 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13579 \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
13580 \endgroup
13581 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13582 \LT@make@row
13583 \m@th\let\par\@empty
13584 \everycr{}\lineskip\z@ \baselineskip\z@
13585 \LT@bchunk}
13586 \def\LT@makecaption#1#2#3{%
13587 \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]{\LTcapwidth{%
13588 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13589 \ifdim\wd\@tempboxa>\hsize
13590 #1{#2: }#3%
13591 \else
13592 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
13593 \fi
13594 \endgraf\vskip\baselineskip}%
13595 \hss}}}
13596 \ifpackageloaded{caption}{%
13597 \renewcommand\LT@makecaption[3]{%
13598 \caption@LT@make{%
13599 \caption@settype*\LTcaptype
13600 \ifdim\LTcapwidth=4in \else
13601 \setcaptionwidth\LTcapwidth
13602 \fi
13603 \caption@setoptions{longtable}%
13604 \caption@setoptions{@longtable}%
13605 \caption@LT@setup
13606 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13607 \caption@startrue#1\caption@starfalse
13608 \caption@prepare@stepcounter\LTcaptype{LT}%
13609 \caption@begin\LTcaptype
13610 \caption@normalsize
13611 \vskip-\ht\strutbox
13612 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13613 \caption@@make{#2}{#3}\endgraf
13614 \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13615 \caption@end}}}%
13616 }{}
13617 \def\LT@startpbox#1{%

```



```

13618 \bgroup
13619 \let\@footnotetext\LT@p@ftntext
13620 \let\@LTRfootnotetext\LT@p@LTRftntext
13621 \let\@RTLfootnotetext\LT@p@RTLftntext
13622 \setlength\hsize{#1}%
13623 \@arrayparboxrestore
13624 \vrule \@height \ht\@arstrutbox \@width \z@}
13625 \def\LT@p@LTRftntext#1{%
13626 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
13627 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13628 \def\LT@p@RTLftntext#1{%
13629 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
13630 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13631
13632
13633 \def\LT@output{%
13634 \ifnum\outputpenalty <-\@Mi
13635 \ifnum\outputpenalty > -\LT@end@pen
13636 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13637 \else
13638 \setbox\z@\vbox{\unvbox\@cclv}%
13639 \ifdim \ht\LT@lastfoot>\ht\LT@foot
13640 \dimen@ \pagegoal
13641 \advance\dimen@-\ht\LT@lastfoot
13642 \ifdim\dimen@<\ht\z@
13643 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13644 \@makecol
13645 \@outputpage
13646 \setbox\z@\vbox{\box\LT@head}%
13647 \fi
13648 \fi
13649 \global\@colroom\@colht
13650 \global\@vsize\@colht
13651 \vbox
13652 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
13653 \fi
13654 \else
13655 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
13656 \@makecol
13657 \@outputpage
13658 \global\@vsize\@colroom
13659 \copy\LT@head\nobreak
13660 \fi}

```

79 File mathtools-xetex-bidi.def

```

13661 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13662 \MHInternalSyntaxOn
13663 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13664 \@namedef{MT_tagform_#1:n}##1

```



```

13665   {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@ \ignorespaces#2{##1}\unskip\@italiccorr#4\i
13666 }
13667 \renewtagform{default}{\{()\}}
13668 \MHInternalSyntaxOff

```

8o File mdframed-xetex-bidi.def

```

13669 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
13670 \newif\if@bidi@mdf@RTL
13671 \def\mdf@lrbox#1{%
13672   \mdf@patchamsthm\patch amsthm
13673   \if@RTL\@bidi@mdf@RTLtrue\fi%
13674   \@RTLfalse%
13675   \setbox#1\vbox\bgroup%
13676   \color@begingroup%
13677   \if@bidi@mdf@RTL\@RTLtrue\fi%
13678   \mdf@horizontalmargin@equation%
13679   \columnwidth=\hsize%
13680   \textwidth=\hsize%
13681   \let\if@nobreak\iffalse%
13682   \let\if@noskipsec\iffalse%
13683   \let\par\@par%
13684   \let-\@dischyph%
13685   \let'\@acci\let\@accii\let\@acciii%
13686   \parindent\z@ \parskip\z@skip%
13687   \linewidth\hsize%
13688   \@totalleftmargin\z@%
13689   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13690   \parfillskip\@flushglue \lineskip\normallineskip%
13691   \baselineskip\normalbaselineskip%
13692 %% \sloppy%
13693   \let\\\@normalcr%
13694   \mdf@par@local%New feature to restore parskip/parindent local in save box
13695   \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13696   \@afterindentfalse%
13697   %\@afterheading%
13698 }
13699 \renewrobustcmd\mdfframedtitleenv[1]{%
13700   \mdf@lrbox{\mdf@frametitlebox}%
13701   \mdf@frametitlealignment%
13702   \leavevmode{\color{\mdf@frametitlefontcolor}%
13703     \normalfont\mdf@frametitlefont{#1}
13704     \ifbool{mdf@ignorelastdescenders}%
13705       {%
13706         \par\strut\par
13707         \unskip\unskip\setbox0=\lastbox
13708         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13709       }{}%
13710   \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
13711   \endmdf@lrbox\relax%

```



```

13712 \mdf@ignorevbadness%
13713 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13714 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13715 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13716 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
13717 \mdfframetitleboxtotalheight=\dimexpr
13718             \ht\mdf@frametitlebox
13719             +\dp\mdf@frametitlebox%
13720             +\mdf@frametitleaboveskip@length
13721             +\mdf@frametitlebelowskip@length
13722             \relax%
13723 }
13724
13725 \renewrobustcmd*\mdf@footnoteoutput{%
13726     \ifvoid\@mpfootins\else%
13727         \nobreak%
13728         \vskip\mdf@footnotedistance@length%
13729         \normalcolor%
13730         \bidi@mpfootnoterule%
13731         \unvbox\@mpfootins%
13732     \fi%
13733 }
13734
13735
13736 \renewrobustcmd*\mdf@footnoteinput{%
13737     \def\@mpfn{mpfootnote}%
13738     \def\thempfn{\thempfootnote}%
13739     \c@mpfootnote\z@%
13740     \let\@footnotetext\@mpfootnotetext%
13741     \let\@LTRfootnotetext\@mpLTRfootnotetext%
13742     \let\@RTLfootnotetext\@mpRTLfootnotetext%
13743 }

```

81 File bidi-media9.sty

```

13744 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13745 {bidi fixes for media9 package for the XeTeX engine}
13746
13747 \keys_define:nn{media9/mbtn}{
13748     draft .code:n = {},
13749     final .code:n = {},
13750
13751     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13752     tooltip .value_required:n = {true},
13753
13754     overface .code:n = {
13755         \sbox\l_mix_poster_box{
13756             \bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13757         \mix_pdfxform:n{\l_mix_poster_box}
13758         \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}

```



```

13759 },
13760 overface .value_required:n = {true},
13761
13762 downface .code:n = {
13763   \sbox\l_mix_poster_box{
13764     \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13765   \mix_pdfxform:n{\l_mix_poster_box}
13766   \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
13767 },
13768 downface .value_required:n = {true},
13769
13770 3Dgotoview .code:n = {
13771   \tl_set:Nx\l_tmpa_tl{#1} %extract ref
13772   \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl
13773   \tl_trim_spaces:N\l_tmpa_tl
13774   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13775     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13776       \tl_set:Nx\l_tmpb_tl{#1} %extract idx
13777       \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpb_tl
13778       \tl_trim_spaces:N\l_tmpb_tl
13779       \tl_if_blank:VF\l_tmpb_tl{
13780         \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
13781           \tl_set:Nx\l_mix_vidx_tl{/\l_tmpb_tl}
13782         }{
13783           \regex_match:nVTF{^[d+}$]\l_tmpb_tl{
13784             \tl_set:Nx\l_mix_vidx_tl{~\l_tmpb_tl}
13785           }{
13786             \regex_replace_once:nnN{^(\s*)}{\1}\l_tmpb_tl
13787             \regex_replace_once:nnN{\s*}$}{\1}\l_tmpb_tl
13788             \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
13789           }
13790         }
13791       }
13792       \mix_pdfobj:nnn{}{dict}{
13793         /S/JavaScript/JS~(
13794           if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13795           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13796             annotRM['\l_tmpa_tl']=
13797               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13798           }
13799           annotRM['\l_tmpa_tl'].activated=true;
13800         )
13801         \tl_if_blank:VF\l_tmpb_tl{
13802           /Next~<<
13803           /S/GoTo3DView
13804           /TA~\tl_use:c{ann@\l_tmpa_tl}
13805           /V\l_mix_vidx_tl
13806         >>
13807       }
13808     }

```



```

13809     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13810   }
13811 }{
13812   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13813   \cs_if_exist:NF\g_mix_refundefwarned_tl{
13814     \tl_new:N\g_mix_refundefwarned_tl
13815     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13816   }
13817 }
13818 },
13819 3Dgotoview .value_required:n = {true},
13820
13821 mediacommand .code:n = {
13822   \tl_set:Nx\l_tmpa_tl{#1}
13823   \regex_replace_once:nnN{([~:]+)??.*}{\1}\l_tmpa_tl %extract ref
13824   \tl_trim_spaces:N\l_tmpa_tl
13825   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13826     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13827       \tl_set:Nx\l_tmpb_tl{#1}
13828       \regex_replace_once:nnN{([~:]+\~?){}\l_tmpb_tl
13829       \tl_trim_spaces:N\l_tmpb_tl
13830       \regex_replace_all:nnN{^{\|}\$}{}\l_tmpb_tl
13831       \tl_set:Nx\l_mix_cmd_tl{
13832         \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13833       \tl_trim_spaces:N\l_mix_cmd_tl
13834       \tl_set:Nx\l_mix_arg_tl{
13835         \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
13836       \tl_trim_spaces:N\l_mix_arg_tl
13837       \mix_pdfobj:nnn{}{dict}{
13838         /S/JavaScript/JS~(
13839           if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13840           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13841             annotRM['\l_tmpa_tl']=
13842               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13843           }
13844           annotRM['\l_tmpa_tl'].activated=true;
13845         )
13846       \tl_if_blank:VF\l_mix_cmd_tl{
13847         /Next~<<
13848         /S/RichMediaExecute
13849         /TA~\tl_use:c{ann@\l_tmpa_tl}
13850         /TI~\tl_use:c{main@\l_tmpa_tl}
13851         /CMD~<<
13852         /C~(\l_mix_cmd_tl)
13853         \tl_if_blank:VF\l_mix_arg_tl{
13854           /A~[\l_mix_arg_tl]
13855         }
13856       }
13857     }
13858   }

```



```

13859     }
13860     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13861   }
13862   }{
13863     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13864     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13865       \tl_new:N\g_mix_refundefwarned_tl
13866       \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13867     }
13868   }
13869 },
13870 mediacommand .value_required:n = {true},
13871
13872 jsaction .code:n = {
13873   \tl_set:Nx\l_tmpa_tl{#1}
13874   \regex_match:nVTF{^[^:]+:.*$}\l_tmpa_tl{
13875     \regex_replace_once:nnN{([:]+):??.*}{\1}\l_tmpa_tl %extract ref
13876     \tl_trim_spaces:N\l_tmpa_tl
13877   }{\tl_clear:N\l_tmpa_tl}
13878   \tl_set:Nx\l_tmpb_tl{#1}
13879   \tl_if_blank:VF\l_tmpa_tl{
13880     \tl_if_exist:cF{ann@\l_tmpa_tl}{
13881       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13882       \cs_if_exist:NF\g_mix_refundefwarned_tl{
13883         \tl_new:N\g_mix_refundefwarned_tl
13884         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13885       }
13886     }
13887     \regex_replace_once:nnN{[:]+\:}{}\l_tmpb_tl
13888   }
13889   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13890   \tl_trim_spaces:N\l_tmpb_tl
13891   \tl_if_blank:VF\l_tmpb_tl{
13892     \mix_pdfobj:nnn{}{dict}{
13893       /S/JavaScript/JS~(
13894         try{\l_tmpb_tl}catch(e){console.show();console.println(e)}))}
13895     \bool_lazy_and:nnT{
13896       \tl_if_exist_p:c{ann@\l_tmpa_tl}
13897     }{
13898       !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13899     }{
13900       \mix_pdfobj:nnn{}{dict}{
13901         /S/JavaScript/JS~(
13902           if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13903           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13904             annotRM['\l_tmpa_tl']=
13905               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13906           }
13907           annotRM['\l_tmpa_tl'].activated=true;
13908         )

```



```

13909     \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13910   }
13911 }
13912 \bool_if:nT{
13913   \bool_lazy_and_p:nn{
13914     \tl_if_exist_p:c{ann@\l_tmpa_tl}
13915   }{
13916     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13917   }
13918   || !\tl_if_blank_p:V\l_tmpb_tl
13919 }{
13920   \tl_gput_right:Nx\g_mix_btnactions_tl{\mix_pdflastobj:}
13921 }
13922 },
13923 jsaction .value_required:n = {true},
13924
13925 unknown .code:n = {
13926   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
13927 }
13928 }
13929
13930 \RenewDocumentCommand\includemedia{0{}}mm}{%#1 options, #2 text/image #3 media file
13931   \mix_uriend:
13932   \group_begin:
13933   \mix_beginLTR:
13934   \leavevmode
13935   %empty stream as appearance dummy
13936   \cs_if_exist:NF\g_mix_appearance_tl{
13937     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
13938     \mix_pdfxform:n{\l_mix_poster_box}
13939     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
13940   }
13941   \mix_reset:
13942   \mix_uribegin: %treat URI characters correctly
13943   \keys_set:nn{media9/user}{#1}
13944   \mix_uriend:
13945   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
13946   \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
13947   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
13948   \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
13949   \tl_gtrim_spaces:N\g_mix_flashvars_tl
13950
13951   \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
13952
13953   %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
13954   %\hbox_set:Nn\l_mix_poster_box{#2}
13955   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13956   \mix_scale:n{\l_mix_poster_box}
13957   \bool_if:nT{
13958     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||

```




```

13959 \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
13960 }{
13961 \tl_gset:Nn\g_mix_usrpbtn_tl{none}
13962 }
13963 \bool_if:NTF\g_mix_usrdraft_bool{
13964 \tl_if_empty:NF\g_mix_usrlabel_tl{
13965 \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
13966 }
13967 \tl_if_blank:oTF{#2}{
13968 \mix_uribegin: %treat URI characters correctly
13969 \mix_draftbox:n{\tl_to_str:n{#3}}
13970 \mix_uriend:
13971 }{
13972 \hbox_to_wd:nn{\g_mix_wd_tl}{
13973 \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
13974 \box_use:N\l_mix_poster_box\hss
13975 }
13976 }
13977 }{
13978 \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
13979 %attach script that switches off play button overlay upon activation
13980 \mix_pdfobj:nnn{}{stream}{
13981 {}{
13982 var~ocgs=host.getOCGs(host.pageNum);
13983 for(var~i=0;i<ocgs.length;i++){
13984 if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13985 ocgs[i].state=false;
13986 }
13987 }
13988 }
13989 }
13990 \mix_pdfobj:nnn{}{dict}{
13991 /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
13992 }
13993 \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
13994 \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
13995 %enforce plain playbutton overlay for XeTeX
13996 \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
13997 }
13998 %embed main asset
13999 \mix_uribegin:
14000 \mix_embedasset:n{#3}
14001 \bool_if:nTF{
14002 \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
14003 }{
14004 \bool_gset_true:N\g_mix_iiid_bool
14005 \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
14006 }{
14007 \str_case_x:nnF{\l_mix_base_tl}{
14008 {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}

```



```

14009         {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14010         {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14011         {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14012         {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14013     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
14014 }
14015 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
14016 \mix_uriend:
14017 %secondary assets (added by addresource)
14018 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
14019 \seq_map_inline:Nn\g_mix_script_seq{
14020     \mix_embedasset:n{##1}
14021     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
14022 }
14023 %attach 3D calculation script
14024 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
14025     \mix_embedasset:n{3Dmenu.js}
14026     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
14027 }
14028 %create 3D views from file (option 3Dviews)
14029 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
14030     \tl_set:Nn\l_mix_level_tl{\c_minus_one}
14031     \int_zero:N\l_mix_viewcnt_int
14032     \int_zero:N\l_mix_lineno_int
14033
14034     \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
14035     \ior_map_inline:Nn\l_mix_vfile_stream{
14036         \int_incr:N\l_mix_lineno_int
14037         \keys_set:nn{media9/views}{##1} %process input line
14038     }
14039     \ior_close:N\l_mix_vfile_stream
14040 }
14041 \bool_if:nT{ %create default 3D view if required
14042     \g_mix_iiid_bool &&
14043     (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
14044 }{
14045     \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
14046     \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
14047     \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
14048     \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
14049     \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
14050     \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
14051     \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
14052
14053     \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
14054     \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
14055     \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
14056     \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
14057
14058     \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool

```



```

14059 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
14060 \tl_clear:N\l_mix_naarray_tl
14061
14062 \bool_if:NF\l_mix_ciiw_bool{
14063   \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
14064   \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
14065 }
14066
14067 \tl_clear:N\l_mix_naarray_tl
14068 \tl_clear:N\l_mix_saarray_tl
14069 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
14070
14071 \mix_view:n{Default}
14072 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
14073
14074 }
14075 \mix_pdfobj:nnn{}{dict}{
14076   /Type/RichMediaInstance
14077   /Subtype/\g_mix_mainassetsub_tl
14078   /Asset~\g_mix_mainasset_tl
14079   \bool_if:NF\g_mix_iiid_bool{
14080     /Params~<<
14081       /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
14082         /Foreground
14083       }{
14084         /Background
14085       }
14086       \tl_if_blank:VF\g_mix_flashvars_tl{
14087         /FlashVars~(\g_mix_flashvars_tl)
14088       }
14089     >>
14090   }
14091 }
14092 \tl_if_empty:NF\g_mix_usrlabel_tl{
14093   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
14094 }
14095 \mix_pdfobj:nnn{}{dict}{
14096   /Type/RichMediaConfiguration
14097   /Subtype/\g_mix_mainassetsub_tl
14098   /Instances~[\mix_pdflastobj:]
14099 }
14100 \mix_pdfobj:nnn{}{dict}{
14101   /Type/RichMediaContent
14102   /Assets~<</Names~[\g_mix_assets_tl]>>
14103   /Configurations~[\mix_pdflastobj:]
14104   \bool_if:nTF{
14105     \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
14106   }{
14107     /Views~[\l_mix_iiidviewarray_tl]
14108   }

```



```

14109 }
14110 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
14111 \bool_if:nT{
14112   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
14113 }{
14114   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
14115 }
14116 %determine floating window size
14117 \bool_if:NT\g_mix_opt_windowed_bool{
14118   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
14119 }
14120 \mix_pdfobj:nnn{}{dict}{
14121   /Activation~<<
14122   /Condition\g_mix_act_tl
14123   \bool_if:nT{
14124     \g_mix_iiid_bool &&
14125     !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
14126   }{%seems to work only with 3D content
14127     /Animation~<<
14128     /Subtype\g_mix_playtpe_tl
14129     /PlayCount~\g_mix_playcnt_tl
14130     /Speed~\g_mix_playspd_tl
14131     >>
14132   }
14133   \bool_if:nT{
14134     \g_mix_iiid_bool && (
14135       \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
14136     )
14137   }{/View~\l_mix_dfltview_tl}
14138   /Presentation~<<
14139   /Transparent~\g_mix_transp_tl
14140   \bool_if:NTF\g_mix_opt_windowed_bool{
14141     /Style/Windowed
14142     /Window~<<
14143     /Width~<</Default~\tl_mix_fltd>>
14144     /Height~<</Default~\tl_mix_fltht>>
14145     /Position~<<
14146     /HOffset~0/VOffset~0
14147     \str_case_x:nnF{\g_mix_winpos_tl}{
14148       {tl}{/VAlign/Near/HAlign/Near}
14149       {cl}{/VAlign/Center/HAlign/Near}
14150       {bl}{/VAlign/Far/HAlign/Near}
14151       {bc}{/VAlign/Far/HAlign/Center}
14152       {br}{/VAlign/Far/HAlign/Far}
14153       {cr}{/VAlign/Center/HAlign/Far}
14154       {tr}{/VAlign/Near/HAlign/Far}
14155       {tc}{/VAlign/Near/HAlign/Center}
14156     }{/HAlign/Center/VAlign/Center}
14157     >>
14158   >>

```



```

14159     }{
14160         /Style/Embedded
14161     }
14162     \bool_if:NTF\g_mix_iiid_bool{
14163         /Toolbar~\g_mix_tools_tl
14164         /NavigationPane~\g_mix_nav_tl
14165     }{
14166         /PassContextClick~\g_mix_contextclick_tl
14167     }
14168     >>
14169     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
14170     >>
14171     /Deactivation~<</Condition\g_mix_deact_tl>>
14172 }
14173 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
14174 \tl_if_empty:NF\g_mix_usrlabel_tl{
14175     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
14176 }
14177 % #1:width, #2:height, #3:depth, #4:content (key-value)
14178 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
14179     /Subtype/RichMedia
14180     /F~4
14181     /BS~<</W~0/S/S>>
14182     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
14183     /NM~(\g_mix_label_tl)
14184     /AP~<</N~\g_mix_appearance_tl>>
14185     /RichMediaSettings~\l_mix_settings_tl
14186     /RichMediaContent~\l_mix_content_tl
14187 }
14188 \tl_if_empty:NF\g_mix_usrlabel_tl{
14189     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
14190     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
14191         \noexpand\the\g@mix@page@int}
14192 }
14193 \mix_pdfobj:nnn{}{dict}{
14194     /S/JavaScript/JS~(
14195         try{
14196             if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14197             if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
14198                 annotRM['\g_mix_label_tl']=
14199                 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
14200             }
14201             \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
14202                 if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14203                     var~ocgs=this.getOCGs(this.pageNum);
14204                     for(var~i=0;i<ocgs.length;i++){
14205                         if(ocgs[i].name=='MediaPlayButton\int_use:N\g_mix_rmcnt_int'){
14206                             var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14207                         }
14208                     }

```



```

14209         }
14210         if(
14211             !annotRM['\g_mix_label_tl'].activated&&(
14212                 app.viewerType=='Reader' ||
14213                 app.viewerType=='Exchange' ||
14214                 app.viewerType=='Exchange-Pro'
14215             )&&app.viewerVersion>=9
14216         ){
14217             ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14218         }
14219     }
14220     }catch(e){}
14221     this.dirty=false;
14222 )
14223 }
14224 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14225     /Subtype/Widget
14226     /FT/Btn/Ff~65537/F~2
14227     /BS~<</W~0>>
14228     /T~(fd@\g_mix_label_tl)
14229     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14230 }
14231 \mix_appendtofields:n{\mix_pdflastann:}
14232 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14233 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
14234     \hbox_to_wd:nn{\g_mix_wd_tl}{
14235         \vrule-width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
14236     }
14237 }{%insert play button overlay
14238     \mix_insert_btnocg: %create OCG
14239     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
14240     \group_begin:
14241     \cs_if_exist:NT\textdir{\textdir TLT}
14242     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
14243     \box_move_down:nn{\g_mix_dp_tl}{
14244         \hbox_to_wd:nn{\g_mix_wd_tl}{
14245             \vbox_to_ht:nn{\g_mix_tt_tl}{
14246                 \vss
14247                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14248                 \box_use:N\l_mix_pbtn_box
14249                 \ocgbase_oc_emc:
14250             }
14251         }
14252     }
14253     \group_end:
14254 }
14255 \int_gincr:N\g_mix_rmcnt_int
14256 }
14257 \mix_endLTR:
14258 \group_end:

```



```

14259 }
14260 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
14261 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
14262
14263 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
14264   \mix_uriend:
14265   \group_begin:
14266   \mix_beginLTR:
14267   \leavevmode
14268   %reset various variables
14269   \tl_gclear:N\g_mix_overbtn_tl
14270   \tl_gclear:N\g_mix_downbtn_tl
14271   \tl_gclear:N\g_mix_btnactions_tl
14272   \tl_gclear:N\g_mix_tooltip_tl
14273   %process options
14274   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14275   \mix_uribegin: %treat URI characters correctly
14276   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14277   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14278   \mix_uriend:
14279   %normal button appearance
14280   \hbox_set:Nn\l_mix_poster_box{#2}
14281   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14282   \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14283   \tl_set:Nx\height {\dim_use:N\box_ht:N\l_mix_poster_box}
14284   \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14285   \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14286     \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{
14287       \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
14288     \mix_pdfxform:n{\l_mix_poster_box}
14289     \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14290     %insert widget annotation
14291     \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14292       /Subtype/Widget
14293       /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
14294       \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14295       /FT/Btn/Ff~65536
14296       \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
14297       /AP~<<
14298       /N~\g_mix_normalbtn_tl
14299       \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
14300       \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
14301     >>
14302     /MK~<<
14303     /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
14304     /I~\g_mix_normalbtn_tl
14305     \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14306     \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14307   >>
14308   /A~<<

```



```

14309      /S/JavaScript/JS~(app.focusRect=false;)
14310      %sequence of actions to perform
14311      \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14312      >>
14313    }
14314    \mix_appendtofields:n{\mix_pdflastann:}
14315    \hbox_to_wd:nn{\width}{
14316      \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
14317    }
14318    \int_gincr:N\g_mix_mbtncnt_int
14319  }
14320  \mix_endLTR:
14321  \group_end:
14322 }
14323 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14324 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
14325
14326

```

82 File memoir-xetex-bidi.def

```

14327 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for XeLaTeX]
14328 \renewcommand{\keepthetitle}{%
14329   \@bsmtitleempty
14330   \global\let\thanks\relax
14331   \global\let\LTRthanks\relax
14332   \global\let\RTLthanks\relax
14333   \global\let\and\relax
14334   \global\let\andnext\relax
14335   \global\let\@thanks\@empty
14336   \global\let\@title\@empty
14337   \global\let\@author\@empty
14338   \global\let\@date\@empty}
14339 \renewcommand{\maketitle}{\par
14340 \begingroup
14341   \@bsmarkseries
14342   \def\@makefnmark{\@textsuperscript{%
14343     \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
14344   \long\def\@makefntext##1{\makethanksmark ##1}
14345   \if@twocolumn
14346     \ifnum \col@number=\@ne
14347       \@maketitle
14348     \else
14349       \twocolumn[\@maketitle]%
14350     \fi
14351   \else
14352     \ifdim\pagetotal>\z@
14353       \newpage
14354     \fi
14355     \global\@topnum\z@

```




```

14356 \maketitle
14357 \fi
14358 \thispagestyle{title}\@thanks
14359 \endgroup
14360 \@bscontmark % \setcounter{footnote}{0}%
14361 }
14362 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
14363 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
14364 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrighskip\else\vleftskip\fi}
14365 \renewcommand*{\memRTLvrighskip}{\if@RTL\vleftskip\else\vrighskip\fi}
14366 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
14367 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
14368 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
14369 \renewcommand*{\thesubsection}{%
14370 \thesection\@SepMark\@arabic\c@subsection}
14371 \renewcommand*{\thesubsubsection}{%
14372 \thesubsection\@SepMark\@arabic\c@subsubsection}
14373 \renewcommand*{\theparagraph}{%
14374 \thesubsubsection\@SepMark\@arabic\c@paragraph}
14375 \renewcommand*{\thesubparagraph}{%
14376 \theparagraph\@SepMark\@arabic\c@subparagraph}
14377 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14378 \renewcommand{\theequation}{%
14379 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14380 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14381 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14382 \ifartopt
14383 \chapterstyle{article}
14384 \counterwithout{figure}{chapter}
14385 \counterwithout{table}{chapter}
14386 \counterwithout{footnote}{chapter}
14387 \counterwithout{equation}{chapter}
14388 \renewcommand{\chaptername}{\}
14389 \renewcommand{\maketitlehookb}{%
14390 \vskip -1.5\topsep\vskip -1.5\partopsep}
14391 \renewcommand{\maketitlehookc}{%
14392 \vskip -1.5\topsep\vskip -1.5\partopsep}
14393 \fi
14394 \long\def\@makecaption#1#2{\let\@memtempa\relax
14395 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
14396 \else \def\@memtempa{\vbox to\topskip{}}\fi
14397 \let\@contfnote\footnote \renewcommand{\footnote}[2]{}{}
14398 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1]{}{}
14399 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
14400 \let\footnote\@contfnote
14401 \let\footnotemark\@contfmark
14402 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14403 \if@contcw
14404 \centering
14405 \parbox{\@contcwidth}{%

```



```

14406 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14407 \fi
14408 \ifdim\wd\@tempboxa<\linewidth
14409 \@contpre
14410 {\@contnfont #1\@contdelim}\@memtempa
14411 {\@contcshortstyle \@conttfont #2\@contfinal\par}
14412 \else
14413 \if@conthang
14414 \sbox\@tempboxa{\@contnfont #1\@contdelim}
14415 \@contpre%
14416 {\@contcstyle\hangindent=\wd\@tempboxa
14417 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14418 \else
14419 \if@contindent
14420 \@contpre%
14421 {\@contnfont #1\@contdelim}\@memtempa
14422 {\@contcstyle\hangindent=\@contindw
14423 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
14424 \else
14425 \@contpre%
14426 {\@contnfont #1\@contdelim}\@memtempa
14427 {\@contcstyle \@conttfont #2\@contfinal\par}
14428 \fi
14429 \fi
14430 \fi
14431 \@contpost
14432 \if@contcw
14433 \par
14434 } % end of the \parbox
14435 \fi
14436 \vskip\belowcaptionskip}
14437 \ifpackageloaded{caption}{%
14438 \AtBeginPackage{caption}{
14439 \ClassWarningNoLine{memoir}{%
14440 You are using the caption package with the memoir \MessageBreak
14441 class. This may cause unexpected or inconsistent \MessageBreak
14442 results if you use any of memoir's captioning facilities}
14443
14444 \long\def\@makecaption##1##2{%
14445 \vskip\abovecaptionskip
14446 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
14447 \ifdim \wd\@tempboxa >\hsize
14448 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14449 \else
14450 \global \@minipagefalse
14451 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14452 \fi
14453 \vskip\belowcaptionskip}
14454
14455 \def\caption{%

```



```

14456 \ifx\@capttype\@undefined
14457 \latexerror{\noexpand\caption outside float}\@ehd
14458 \expandafter\@gobble
14459 \else
14460 \refstepcounter\@capttype
14461 \expandafter\@firstofone
14462 \fi
14463 {\@dblarg{\@caption\@capttype}}%
14464 }
14465
14466 \long\def\@caption##1[##2]##3{%
14467 \par
14468 \addcontentsline{\csname ext@##1\endcsname}{##1}%
14469 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
14470 \begingroup
14471 \parboxrestore
14472 \if@minipage
14473 \setminipage
14474 \fi
14475 \normalsize
14476 \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14477 \endgroup}
14478 }{}
14479 \renewenvironment{thebibliography}[1]{%
14480 \bibsection
14481 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14482 \bidi@thebibliography@font@hook%
14483 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

83 File midfloat-xetex-bidi.def

```

14484 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14485 \def\RTL@outputdblcol{%
14486 \if@firstcolumn
14487 \global \@firstcolumnfalse
14488 \global\setbox\@leftcolumn\copy\@outputbox
14489 \splitmaxdepth\maxdimen
14490 \vbadness\maxdimen
14491 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14492 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14493 \toks@\expandafter{\topmark}%
14494 \xdef\@firstcoltopmark{\the\toks@}%
14495 \toks@\expandafter{\splitfirstmark}%
14496 \xdef\@firstcolfirstmark{\the\toks@}%
14497 \ifx\@firstcolfirstmark\@empty
14498 \global\let\@setmarks\relax
14499 \else
14500 \gdef\@setmarks{%
14501 \let\firstmark\@firstcolfirstmark
14502 \let\topmark\@firstcoltopmark}%

```



```

14503 \fi
14504 \global\c@colht\@colht\global\c@advipersep\z@
14505 \ifnum\jua@sk>0
14506 \remove@strip\jua@sar
14507 \global\@colht\the\jua@pr
14508 \ifdim\right@cor>\z@
14509 \global\advance\@colht by\right@cor
14510 \fi
14511 \global\advance\@colht by\cor@height
14512 \global\cor@height=0pt
14513 \fi
14514 \global\setbox\@rightcolumn \vbox{%
14515 \else
14516 \ifdim\c@colht>\@colht
14517 \@tempdima\@colht
14518 \ifdim\@colht>\z@
14519 \global\setbox\@rightcolumn \vbox{%
14520 \unvbox\@rightcolumn
14521 \vbox to\@tempdima{%
14522 \vskip\c@advipersep\unvbox\@outputbox}%
14523 \vskip\stripsep
14524 \vrule height\the\jua@ht width 0pt depth 0pt
14525 \vskip\stripsep
14526 }%
14527 \global\c@advipersep\m@advipersep
14528 \else
14529 \global\setbox\@rightcolumn \vbox{%
14530 \unvbox\@rightcolumn
14531 \vrule height\the\jua@ht width 0pt depth 0pt
14532 \vskip\stripsep
14533 }%
14534 \fi
14535 \ifnum\jua@sk>0
14536 \remove@strip\jua@sar
14537 \global\@colht\the\jua@pr
14538 \global\advance\@colht by-\ht\@rightcolumn
14539 \global\advance\@colht by\cor@height
14540 \global\cor@height=0pt
14541 \else
14542 \global\advance\c@colht by-\ht\@rightcolumn
14543 \global\@colht\c@colht
14544 \fi
14545 \else
14546 \global\@firstcolumntrue
14547 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14548 \unvbox\@rightcolumn
14549 \vskip\c@advipersep
14550 \unvbox\@outputbox
14551 }%
14552 \setbox\@outputbox \vbox {%

```



```

14553 \hb@xt@\textwidth {%
14554 \hskip \columnwidth
14555 \hfil
14556 \vrule \@width\columnseprule
14557 \hfil
14558 \hb@xt@\columnwidth {%
14559 \bidi@firstcolumn@status@write%
14560 \box\@leftcolumn \hss}%
14561 \hskip-\textwidth
14562 \hb@xt@\columnwidth {%
14563 \bidi@lastcolumn@status@write%
14564 \box\@outputbox \hss}%
14565 \hskip\columnwidth
14566 \hskip\columnsep}%
14567 }%
14568 \@combinedblfloats
14569 \@setmarks
14570 \@outputpage
14571 \begingroup
14572 \@dblfloatplacement
14573 \@startdblcolumn
14574 \@whiles\if@fcolmade \fi
14575 {\@outputpage
14576 \@startdblcolumn}%
14577 \endgroup
14578 \global\jua@sk=0\global\jua@sar={}
14579 \global\cor@height\z@\global\c@addvipersep\z@
14580 \fi
14581 \fi
14582 }
14583
14584
14585 \def\LTR@outputdblcol{%
14586 \if@firstcolumn
14587 \global \@firstcolumnfalse
14588 \global\setbox\@leftcolumn\copy\@outputbox
14589 \splitmaxdepth\maxdimen
14590 \vbadness\maxdimen
14591 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14592 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14593 \toks@\expandafter{\topmark}%
14594 \xdef\@firstcoltopmark{\the\toks@}%
14595 \toks@\expandafter{\splitfirstmark}%
14596 \xdef\@firstcolfirstmark{\the\toks@}%
14597 \ifx\@firstcolfirstmark\@empty
14598 \global\let\@setmarks\relax
14599 \else
14600 \gdef\@setmarks{%
14601 \let\firstmark\@firstcolfirstmark
14602 \let\topmark\@firstcoltopmark}%

```



```

14603 \fi
14604 \global\c@colht\@colht\global\c@advipersep\z@
14605 \ifnum\jua@sk>0
14606 \remove@strip\jua@sar
14607 \global\@colht\the\jua@pr
14608 \ifdim\right@cor>\z@
14609 \global\advance\@colht by\right@cor
14610 \fi
14611 \global\advance\@colht by\cor@height
14612 \global\cor@height=0pt
14613 \fi
14614 \global\setbox\@rightcolumn \vbox{%
14615 \else
14616 \ifdim\c@colht>\@colht
14617 \@tempdima\@colht
14618 \ifdim\@colht>\z@
14619 \global\setbox\@rightcolumn \vbox{%
14620 \unvbox\@rightcolumn
14621 \vbox to\@tempdima{%
14622 \vskip\c@advipersep\unvbox\@outputbox}%
14623 \vskip\stripsep
14624 \vrule height\the\jua@ht width 0pt depth 0pt
14625 \vskip\stripsep
14626 }%
14627 \global\c@advipersep\m@advipersep
14628 \else
14629 \global\setbox\@rightcolumn \vbox{%
14630 \unvbox\@rightcolumn
14631 \vrule height\the\jua@ht width 0pt depth 0pt
14632 \vskip\stripsep
14633 }%
14634 \fi
14635 \ifnum\jua@sk>0
14636 \remove@strip\jua@sar
14637 \global\@colht\the\jua@pr
14638 \global\advance\@colht by-\ht\@rightcolumn
14639 \global\advance\@colht by\cor@height
14640 \global\cor@height=0pt
14641 \else
14642 \global\advance\c@colht by-\ht\@rightcolumn
14643 \global\@colht\c@colht
14644 \fi
14645 \else
14646 \global\@firstcolumntrue
14647 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14648 \unvbox\@rightcolumn
14649 \vskip\c@advipersep
14650 \unvbox\@outputbox
14651 }%
14652 \setbox\@outputbox \vbox {%

```



```

14653 \hb@xt@\textwidth {%
14654 \hb@xt@\columnwidth {%
14655 \bidi@firstcolumn@status@write%
14656 \box\@leftcolumn \hss}%
14657 \hfil
14658 \vrule \@width\columnseprule
14659 \hfil
14660 \hb@xt@\columnwidth {%
14661 \bidi@lastcolumn@status@write%
14662 \box\@outputbox \hss}%
14663 }%
14664 }%
14665 \@combinedblfloats
14666 \@setmarks
14667 \@outputpage
14668 \beginingroup
14669 \@dblfloatplacement
14670 \@startdblcolumn
14671 \@whiles\if@fcolmade \fi
14672 {\@outputpage
14673 \@startdblcolumn}%
14674 \endgroup
14675 \global\jua@sk=0\global\jua@sar={}%
14676 \global\cor@height\z@\global\c@addvipersep\z@
14677 \fi
14678 \fi
14679 }
14680
14681
14682 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14683 \global \setbox\@viper\ vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14684 \hsize\textwidth
14685 \@parboxrestore
14686 \col@number \@ne
14687 \vrule height\topskip width0pt depth0pt
14688 }
14689
14690 \def\endstrip{%
14691 \egroup\egroup
14692 \if@firstcolumn
14693 \ifdim\pagetotal>\z@
14694 \vskip\stripsep
14695 \global\ht@strip\pagegoal
14696 \global\advance\ht@strip by-\pagetotal
14697 \global\advance\ht@strip by-\stripsep
14698 \global\advance\ht@strip by-\ht\@viper
14699 \global\advance\ht@strip by-\stripsep
14700 \global\jua@ht=\ht\@viper
14701 \else
14702 \global\ht@strip\z@

```



```

14703         \fi
14704         \ifdim\ht@strip>\z@
14705             \unvbox\@viper
14706             \vskip\stripsep
14707             \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
14708             \global\advance\jua@sk by1
14709         \else
14710             \@latex@error{Strip needs more place!}\@ehc
14711             \if@vihproof
14712                 \framebox[\columnwidth]{??? Strip ???}%
14713             \fi
14714         \fi
14715     \else
14716         \@latex@error{Strip is used only on left column!}\@ehc
14717         \if@vihproof
14718             \framebox[\columnwidth]{??? Strip ???}%
14719         \fi
14720     \fi
14721 }

```

84 File minitoc-xetex-bidi.def

```

14722 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for
14723 \def\@undottedtocline#1#2#3#4#5{%
14724     \ifnum #1>\c@tocdepth\relax \else
14725         \vskip \z@ plus.2\p@
14726         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \
14727         \parindent #2\relax\@afterindenttrue
14728         \interlinepenalty\@M
14729         \leavevmode
14730         \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
14731         \hskip -\if@RTL\rightskip\else\leftskip\fi
14732         #4\nobreak\hfill \nobreak
14733         \null\par}%
14734     \fi}
14735 \def\@Undottedtocline#1#2#3#4#5{%
14736     \ifnum #1>\c@tocdepth\relax \else
14737         \vskip \z@ \@plus.2\p@
14738         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \
14739         \parindent #2\relax\@afterindenttrue
14740         \interlinepenalty\@M
14741         \leavevmode
14742         \@tempdima #3\relax
14743         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
14744         {\coffefont #4}\nobreak \nobreak\null
14745         \par}%
14746     \fi}
14747 \def\@Undottedtoclinep#1#2#3#4#5{%
14748     \ifnum #1>\c@tocdepth\relax \else
14749         \vskip \z@ \@plus.2\p@

```




```

14750 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin
14751 \parindent #2\relax\@afterindenttrue
14752 \interlinepenalty\@M
14753 \leavevmode
14754 \@tempdima #3\relax
14755 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
14756 {#4}\nobreak \hfill \nobreak\null
14757 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
14758 \par}%
14759 \fi}

```

85 File multicol-xetex-bidi.def

```

14760 \ProvidesFile{multicol-xetex-bidi.def}[2018/10/07 v1.1 bidi adaptations for multicol package]
14761 \def\page@sofar{%
14762   \process@cols\mult@rightbox
14763   {\ifvoid\count@
14764     \setbox\count@\hbox to\hsize{}}%
14765   \else
14766     \wd\count@\hsize
14767   \fi}%
14768 \count@\col@number \advance\count@\m@ne
14769 \mult@info\z@
14770 {Column spec: \the\full@width\space = indent
14771               + columns + sep =\MessageBreak
14772               \the\multicol@leftmargin\space
14773               + \the\col@number\space
14774               x \the\hsize\space
14775               + \the\count@\space
14776               x \the\columnsep
14777             }%
14778 \ifvmode\else\errmessage{Multicol Error}\fi
14779 \nointerlineskip
14780 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
14781 \moveright\multicol@leftmargin
14782 \hbox to\full@width{%
14783   \bidi@multicol@align@columns
14784   \rlap{\phantom p}}%
14785 }%
14786 \prevdepth\z@
14787 \kern-\dimen\tw@
14788 \ifdim\dimen\tw@ > \mc@gridwarn
14789   \PackageWarning{multicol}%
14790     {Very deep columns!\MessageBreak
14791     Grid alignment might be broken}%
14792 \fi
14793 }
14794 \def\LTR@column@boxes{%
14795   \process@cols\mult@gfirstbox{%
14796     \ifdim\dp\count@>\dimen\tw@

```



```

14797         \global\dimen\tw@\dp\count@ \fi
14798         \mc@col@status@write
14799         \box\count@
14800         \hss{\columnseprulecolor\vrule
14801             \@width\columnseprule}\hss}%
14802     \ifdim\dp\mult@rightbox>\dimen\tw@
14803         \global\dimen\tw@\dp\mult@rightbox \fi
14804     \mc@lastcol@status@write
14805     \box\mult@rightbox
14806 }
14807
14808 \def\RTL@column@boxes{%
14809     \ifnum\col@number<\tw@
14810         \LTR@column@boxes
14811     \else
14812         \process@cols\mult@gfirstbox{%
14813             \hskip\hsize
14814             \hss{\columnseprulecolor\vrule
14815                 \@width\columnseprule}\hss
14816         }%
14817         \hskip\hsize
14818         \process@cols\mult@gfirstbox{%
14819             \ifdim\dp\count@>\dimen\tw@
14820                 \global\dimen\tw@\dp\count@ \fi
14821             \hskip-\hsize
14822             \mc@col@status@write
14823             \box\count@
14824             \hskip-\hsize
14825             \hskip-\columnsep
14826         }%
14827         \ifdim\dp\mult@rightbox>\dimen\tw@
14828             \global\dimen\tw@\dp\mult@rightbox \fi
14829         \hskip-\hsize
14830         \mc@lastcol@status@write
14831         \box\mult@rightbox
14832         \hskip-\hsize
14833         \hskip\full@width
14834     \fi
14835 }
14836 \newcommand\RTLmulticolcolumns
14837     {\let\bidimulticol@align@columns
14838      \RTL@column@boxes}
14839 \newcommand\LTRmulticolcolumns
14840     {\let\bidimulticol@align@columns
14841      \LTR@column@boxes}
14842 \newcommand\bidimulticol@align@columns
14843     {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14844 \bidimulticol@AtEndPreamble{%
14845     \if@bidi@csdef{footinsv1}{%
14846         \def\footnoterule{\kern-3\p@

```



```

14847      \hrule \@width \textwidth \kern 2.6\p@}%
14848    }{}%
14849  }
14850  \def\multicols#1{\col@number#1\relax
14851    \ifnum\col@number<\tw@
14852      \PackageWarning{multicol}%
14853        {Using `\'number\col@number'
14854          columns doesn't seem a good idea.^^J
14855          I therefore use two columns instead}%
14856      \col@number\tw@ \fi
14857    \ifnum\col@number>10
14858      \PackageError{multicol}%
14859        {Too many columns}%
14860        {Current implementation doesn't
14861          support more than 10 columns.%
14862          \MessageBreak
14863          I therefore use 10 columns instead}%
14864      \col@number10 \fi
14865    \ifx\@footnotetext\mult@footnotetext\else
14866      \let\orig@footnotetext\@footnotetext
14867      \let\@footnotetext\mult@footnotetext
14868    \fi
14869    \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14870      \let\orig@LTRfootnotetext\@LTRfootnotetext
14871      \let\@LTRfootnotetext\mult@LTRfootnotetext
14872    \fi
14873    \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14874      \let\orig@RTLfootnotetext\@RTLfootnotetext
14875      \let\@RTLfootnotetext\mult@RTLfootnotetext
14876    \fi
14877    \@ifnextchar[\mult@cols{\mult@cols[]}]
14878  \long\def\mult@footnotetext#1{\begingroup
14879    \hsize\textwidth
14880    \columnwidth\textwidth
14881    \orig@footnotetext{#1}\endgroup}
14882  \long\def\mult@LTRfootnotetext#1{\begingroup
14883    \hsize\textwidth
14884    \columnwidth\textwidth
14885    \orig@LTRfootnotetext{#1}\endgroup}
14886  \long\def\mult@RTLfootnotetext#1{\begingroup
14887    \hsize\textwidth
14888    \columnwidth\textwidth
14889    \orig@RTLfootnotetext{#1}\endgroup}
14890  \def\right@footnoterule{%
14891    \kern-3\p@
14892    \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14893    \kern2.6\p@}
14894  \def\textwidth@footnoterule{\kern-3\p@
14895    \hrule \@width \textwidth \kern 2.6\p@}
14896  \def\ bidi@leave@mult@copyins{%

```



```

14897 \advance\dimen@-\skip\@bidi@copyins@
14898 \advance\dimen@-\ht\@bidi@copyins@
14899 }
14900 \bidi@AtEndPreamble{%
14901 \if@bidi@csdef{footinsv@l}{%
14902 \def\bidi@leave@mult@footins@vr{%
14903 \advance\dimen@-\skip\footinsv@r
14904 \advance\dimen@-\ht\footinsv@r
14905 }%
14906 \def\bidi@leave@mult@footins@vl{%
14907 \advance\dimen@-\skip\footinsv@l
14908 \advance\dimen@-\ht\footinsv@l
14909 }%
14910 \def\bidi@init@mult@footinsv@r{%
14911 \multiply\count\footinsv@r\col@number
14912 \multiply\skip\footinsv@r\col@number
14913 }%
14914 \def\bidi@init@mult@footinsv@l{%
14915 \multiply\count\footinsv@l\col@number
14916 \multiply\skip\footinsv@l\col@number
14917 }%
14918 \def\bidi@reinsert@footnotesv@r{\ifvoid\footinsv@r\else
14919 \insert\footinsv@r{}\fi}%
14920 \def\bidi@reinsert@footnotesv@l{\ifvoid\footinsv@l\else
14921 \insert\footinsv@l{}\fi}%
14922 \bidi@patchcmd{\prepare@multicols}{%
14923 \reinsert@footnotes
14924 }{%
14925 \reinsert@footnotes
14926 \bidi@init@mult@footinsv@r
14927 \bidi@reinsert@footnotesv@r
14928 \bidi@init@mult@footinsv@l
14929 \bidi@reinsert@footnotesv@l
14930 }{}{}%
14931 \bidi@patchcmd{\multi@column@out}{%
14932 \ifnum \c@tracingmulticols>\thr@@
14933 }{%
14934 \ifvoid\footinsv@r
14935 \ifvoid\footinsv@l
14936 \else
14937 \PackageWarning{multicol}%
14938 {I moved some lines to
14939 the next page.\MessageBreak
14940 Footnotes on page
14941 \thepage\space might be wrong}%
14942 \fi
14943 \else
14944 \PackageWarning{multicol}%
14945 {I moved some lines to
14946 the next page.\MessageBreak

```



```

14947             Footnotes on page
14948             \thepage\space might be wrong}%
14949         \fi
14950         \ifnum \c@tracingmulticols>\thr@@
14951     }{}{}%
14952 \bidi@patchcmd{\endmulticols}{%
14953     \reinsert@footnotes
14954 }{%
14955     \reinsert@footnotes
14956     \bidi@reinsert@footnotesv@r
14957     \bidi@reinsert@footnotesv@l
14958 }{}{}%
14959 \bidi@patchcmd{\speci@ls}{%
14960     \reinsert@footnotes
14961 }{%
14962     \reinsert@footnotes
14963     \bidi@reinsert@footnotesv@r
14964     \bidi@reinsert@footnotesv@l
14965 }{}{}%
14966 \bidi@patchcmd{\speci@ls}{%
14967     \reinsert@footnotes
14968 }{%
14969     \reinsert@footnotes
14970     \bidi@reinsert@footnotesv@r
14971     \bidi@reinsert@footnotesv@l
14972 }{}{}%
14973 }{}%
14974 \bidi@patchcmd{\multi@column@out}{%
14975     \let\ifshr@kingsaved\ifshr@king
14976 }{%
14977     \if@bidi@csdef{footinsv@l}{%
14978         \divide\skip\footinsv@r\col@number
14979         \ifvoid\footinsv@r \else
14980             \bidi@leave@mult@footins@vr
14981         \fi
14982         \divide\skip\footinsv@l\col@number
14983         \ifvoid\footinsv@l \else
14984             \bidi@leave@mult@footins@vl
14985         \fi
14986     }{}%
14987     \ifvoid\@bidi@copyins@ \else
14988         \bidi@leave@mult@copyins
14989     \fi
14990     \let\ifshr@kingsaved\ifshr@king
14991 }{}{}%
14992 }

```

86 File multienum-xetex-bidi.def

```

14993 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]

```



```

14994 \renewcommand{\itemx}[1]{\parbox[t]{%
14995 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14996 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
14997 \renewcommand{\itemxx}[2]{\parbox[t]{%
14998 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14999 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15000 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15001 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
15002 \renewcommand{\itemxxx}[3]{\parbox[t]{%
15003 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15004 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15005 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15006 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
15007 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15008 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
15009 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
15010 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15011 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15012 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15013 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15014 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15015 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
15016 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15017 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
15018 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
15019 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15020 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
15021 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15022 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
15023 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15024 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
15025 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15026 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
15027 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15028 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
15029 \renewcommand{\itemxox}[2]{\parbox[t]{%
15030 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15031 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15032 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15033 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
15034 \renewcommand{\itemxox}[2]{\parbox[t]{%
15035 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15036 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
15037 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15038 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
15039 \renewcommand{\itemxox}[3]{\parbox[t]{%
15040 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15041 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15042 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15043 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%

```



```

15044 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15045 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
15046 \renewcommand{\itemxxox}[3]{\parbox[t]{%
15047 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15048 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
15049 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15050 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
15051 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15052 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
15053 \renewcommand{\itemxxox}[3]{\parbox[t]{%
15054 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15055 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
15056 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15057 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15058 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15059 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

87 File natbib-xetex-bidi.def

```

15060 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for X
15061 \renewenvironment{thebibliography}[1]{%
15062 \bibsection
15063 \parindent\z@
15064 \bibpreamble
15065 \bibfont
15066 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15067 \bidi@thebibliography@font@hook%
15068 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
15069 \ifNAT@openbib
15070 \renewcommand\newblock{\par}%
15071 \else
15072 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
15073 \fi
15074 \sloppy\clubpenalty4000\widowpenalty4000
15075 \sfcode`\.\@m
15076 \let\NAT@bibitem@first@sw\@firstoftwo
15077 \let\citeN\cite \let\shortcite\cite
15078 \let\citeasnoun\cite
15079 }{%
15080 \bibitem@fin
15081 \bibpostamble
15082 \def\@noitemerr{%
15083 \PackageWarning{natbib}{Empty `thebibliography' environment}%
15084 }%
15085 \endlist
15086 \bibcleanup
15087 }%

```

88 File newfloat-xetex-bidi.def



```

15088 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
15089 \renewcommand*{\newfloat@setwithin}[2]{%
15090   \ifcsname c@chapter\endcsname
15091     \@removefromreset{#1}{chapter}%
15092   \fi
15093   \@removefromreset{#1}{section}%
15094   \edef\@tempa{#2}%
15095   \ifx\@tempa\@empty
15096     \def\@tempb{none}%
15097   \fi
15098   \def\@tempb{none}%
15099   \ifx\@tempa\@tempb
15100     \ifcsname c@chapter\endcsname
15101       \@chapterlistsgap@off{#1}%
15102     \fi
15103     \newfloat@@setwithin{#1}{-}{-}%
15104   \else
15105     \def\@tempb{chapter}%
15106     \ifx\@tempa\@tempb
15107       \@addtoreset{#1}{chapter}%
15108       \@chapterlistsgap@on{#1}%
15109       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
15110     \else
15111       \def\@tempb{section}%
15112       \ifx\@tempa\@tempb
15113         \@addtoreset{#1}{section}%
15114         \ifcsname c@chapter\endcsname
15115           \@addtoreset{#1}{chapter}%
15116           \@chapterlistsgap@on{#1}%
15117           \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
15118         \else
15119           \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
15120         \fi
15121       \else
15122         \newfloat@Error{Invalid value `#2' for option `within'}%
15123       \fi
15124     \fi
15125   \fi}

```

89 File ntheorem-xetex-bidi.def

```

15126 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
15127 \gdef\@thm#1#2#3{%
15128   \if@thmmarks
15129     \stepcounter{end\InTheoType ctr}%
15130   \fi
15131   \renewcommand{\InTheoType}{#1}%
15132   \if@thmmarks
15133     \stepcounter{curr#1ctr}%
15134     \setcounter{end#1ctr}{0}%

```




```

15135 \fi
15136 \refstepcounter{#2}%
15137 \theorem@prework
15138 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15139 \ifvmode \advance\thm@topsepadd\partopsep\fi
15140 \trivlist
15141 \@topsep \theorempreskipamount
15142 \@topsepadd \thm@topsepadd % used by \@endparenv
15143 \advance\linewidth -\theorem@indent
15144 \advance\@totalleftmargin \theorem@indent
15145 \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15146 \@ifnextchar[{\@ythem{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

90 File ntheorem-hyper-xetex-bidi.def

```

15147 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hy
15148 \gdef\@thm#1#2#3{%
15149   \if@thmmarks
15150     \stepcounter{end\InTheoType ctr}%
15151   \fi
15152   \renewcommand{\InTheoType}{#1}%
15153   \if@thmmarks
15154     \stepcounter{curr#1ctr}%
15155     \setcounter{end#1ctr}{0}%
15156   \fi
15157   \refstepcounter{#2}%
15158   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15159   \ifvmode \advance\thm@topsepadd\partopsep\fi
15160   \trivlist
15161   \@topsep \theorempreskipamount
15162   \@topsepadd \thm@topsepadd % used by \@endparenv
15163   \advance\linewidth -\theorem@indent
15164   \advance\@totalleftmargin \theorem@indent
15165   \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15166   \@ifnextchar[{\@ythem{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

91 File overpic-xetex-bidi.def

```

15167 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for
15168 \renewenvironment{overpic}[2][\]{%
15169   \sbox{\z@}{\includegraphics[#1]{#2}}%
15170   \settodepth{\@tempcnta}{\usebox{\z@}}%
15171   \settoheight{\@tempcntb}{\usebox{\z@}}%
15172   \advance\@tempcntb\@tempcnta%
15173   \settowidth{\@tempcnta}{\usebox{\z@}}%
15174   \setlength{\@tempdima}{\unitlength}%
15175   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
15176 %
15177   \OVP@calc%
15178 %

```



```

15179 \begin{picture}(\@tempcnta,\@tempcntb)%
15180 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
15181 \ifGin@grid%
15182 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15183 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15184 \fi\fi%
15185 % reset the graphics parameter
15186 \let\Gin@outer@scalex\relax
15187 \let\Gin@outer@scaley\relax
15188 \let\Gin@angle\relax
15189 \let\Gin@ewidth\Gin@exclamation
15190 \let\Gin@eheight\Gin@ewidth
15191 \def\Gin@scalex{1}
15192 \let\Gin@scaley\Gin@exclamation
15193 }{%
15194 \if@RTL\ifGin@grid%
15195 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15196 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15197 \fi%
15198 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
15199 \end{picture}%
15200 }%

```

92 File pdfbase-xetex-bidi.def

```

15201 \ProvidesFile{pdfbase-xetex-bidi.def}[2018/09/29 v0.2 bidi adaptations for pdfbase package for
15202 \ExplSyntaxOn
15203 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
15204 \cs_set_nopar:Npn\@outputpage{
15205 \int_gincr:N\g_pbs_page_int
15206 \iow_now:Nx\@mainaux{
15207 \token_to_str:N\pbs@newkey{pbs@last@page}{\int_use:N\g_pbs_page_int}
15208 }
15209 \box_if_vertical:cTF{\outputbox}{
15210 \bool_set_true:N\l_pbs_is_vertical_bool
15211 }{
15212 \bool_set_false:N\l_pbs_is_vertical_bool
15213 }
15214 \hbox_set:Nn\@outputbox{
15215 %begin of page
15216 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
15217 \box_use_clear:N\@outputbox
15218 %end of page
15219 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
15220 }
15221 \bool_if:NT\l_pbs_is_vertical_bool{
15222 \vbox_set:Nn\@outputbox{\box_use_clear:N\@outputbox}
15223 }
15224 \pbs_outputpage_orig:
15225 }

```



15226 \ExplSyntaxOff

93 File pdfpages-xetex-bidi.def

```
15227 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
15228 \renewcommand*{\includepdf}[2][{}]{%
15229   \begingroup
15230   \@RTLfalse
15231   \let\AM@threadname\relax
15232   \AM@split@options{pdfpages}{#1}%
15233   \edef\AM@temp{\pdfpages{\the\@temptokena}}%
15234   \expandafter\setkeys\AM@temp
15235   \ifthenelse{\boolean{AM@pkg@draft}\and\boolean{AM@survey}}{%
15236     \let\AM@currentdocname\relax
15237     \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
15238     \def\AM@pagecount{0}%
15239   }{%
15240     \AM@findfile{#2}%
15241     \if\AM@threadname\relax
15242       \def\AM@threadname{\AM@currentdocname}%
15243     \fi
15244   }%
15245   \ifAM@survey
15246     \def\AM@pagestemp{}%
15247     \@tempcnta=0
15248     \def\foo{%
15249       \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
15250       {\let\foo\relax}
15251       {\expandafter\ifx\expandafter\\AM@pagestemp\\
15252         \edef\AM@pagestemp{%
15253           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15254         \else
15255           \edef\AM@pagestemp{\AM@pagestemp,%
15256             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15257         \fi
15258         \advance\@tempcnta 1\relax
15259       }%
15260     \foo
15261   }%
15262   \foo
15263   \expandafter\ifx\expandafter\\AM@pagestemp\\
15264     \def\AM@pagestemp{1}%
15265   \fi
15266 \fi
15267 \ifAM@output
15268   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
15269   \AM@output{#1}%
15270 \fi
15271 \AM@CheckAtEnd
15272 \endgroup
```



```

15273 \AM@ClearShipoutPicture
15274 }

```

94 File pgfcorescopes.code-xetex-bidi.def

```

15275 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pack
15276 \def\pgfpicture{%
15277   \begingroup%
15278   \ifmmode\else\@RTLfalse\beginL\fi%
15279   \pgfpicturetrue%
15280   \global\advance\pgf@picture@serial@count by1\relax%
15281   \edef\pgfpictureid{\pgfid\the\pgf@picture@serial@count}%
15282   \let\pgf@nodecallback=\pgfutil@gobble%
15283   \pgf@picmaxx=-16000pt\relax%
15284   \pgf@picminx=16000pt\relax%
15285   \pgf@picmaxy=-16000pt\relax%
15286   \pgf@picminy=16000pt\relax%
15287   \pgf@relevantforpicturesizetrue%
15288   \pgf@resetpathsizes%
15289   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
15290 \def\endpgfpicture{%
15291   \ifpgfrememberpicturepositiononpage%
15292     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}}%
15293   \fi%
15294   % ok, now let's position the box
15295   \ifdim\pgf@picmaxx=-16000pt\relax%
15296     % empty picture. make size 0.
15297     \global\pgf@picmaxx=0pt\relax%
15298     \global\pgf@picminx=0pt\relax%
15299     \global\pgf@picmaxy=0pt\relax%
15300     \global\pgf@picminy=0pt\relax%
15301   \fi%
15302   % Shift baseline outside:
15303   \pgf@relevantforpicturesizefalse%
15304   \pgf@process{\pgf@baseline}%
15305   \xdef\pgf@shift@baseline{\the\pgf@y}%
15306   %
15307   \pgf@process{\pgf@trimleft}%
15308   \global\advance\pgf@x by-\pgf@picminx
15309   % prepare \hskip\pgf@trimleft@final.
15310   % note that \pgf@trimleft@final is also queried
15311   % by the pgf image externalization.
15312   \xdef\pgf@trimleft@final{-\the\pgf@x}%
15313   %
15314   \pgf@process{\pgf@trimright}%
15315   \global\advance\pgf@x by-\pgf@picmaxx
15316   % prepare \hskip\pgf@trimright@final.
15317   % note that \pgf@trimright@final is also queried
15318   % by the pgf image externalization.
15319   \xdef\pgf@trimright@final{\the\pgf@x}%

```



```

15320      %
15321      \pgf@remember@layerlist@globally
15322      \endgroup%
15323      \hss%
15324      \egroup%
15325      \pgf@restore@layerlist@from@global
15326      \pgf@insertlayers%
15327      \endgroup%
15328      \pgfsys@discardpath%
15329      \endgroup%
15330      \pgfsys@endscope%
15331      \pgfsys@endpicture%
15332      \endgroup%
15333      \hss
15334      \egroup%
15335      \pgfsys@typesetpicturebox\pgfpic%
15336      \ifmmode\else\endL\fi%
15337      \endgroup%
15338 }

```

95 File picinpar-xetex-bidi.def

```

15339 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
15340 \long\def\@makewincaption#1#2{%
15341   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
15342   \ifdim\wd\@tempboxa>\picwd
15343     {\footnotesize{\bf #1:\enspace}{#2\par}}
15344   \else
15345     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
15346   \fi}
15347 \def\endwindow{%
15348   \global\tcd=\tcdsav
15349   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
15350   \vbadness=10000
15351   \splittopskip=0pt
15352 %
15353 % Typeset the lines above the window
15354 %
15355 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15356 \tcn=\tcd
15357 \loop\advance\tcn -1
15358 \setbox\fslice=\vsplit\holder to\baselineskip
15359 \prune\fslice\linewidth
15360 \topheight=0pt
15361 \ifnum\dp\fslice>\dp\wstrutbox
15362   \advance\topheight-\dp\fslice
15363   \advance\topheight\dp\wstrutbox
15364   \advance\topheight\ilg\fi
15365 \hbox to\linewidth{\box\fslice}
15366 \vskip-\topheight

```



```

15367 \ifdim\ht\holder>0pt\repeat
15368 \fi
15369 %
15370 % Now we build the boxes beside the window
15371 %
15372 \global\topheight=\tcl\baselineskip
15373 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15374     \global\topheight=\vpic
15375 \fi
15376 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15377 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
15378 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15379 \tcn=\tcl \na=0 \nb=0
15380 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
15381 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
15382 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15383 \ifnum\na=0\ifnum\nb=0
15384     \setbox\waslice=\vbox to\vpic{\vss}
15385     \setbox\wbslice=\vbox to\vpic{\vss}
15386     \bl=1\br=1
15387     \vskip\ilg
15388 \fi\fi
15389 %
15390 % both sides
15391 %
15392 \ifnum\na>0 \ifnum\nb>0
15393 \loop\advance\nb -1
15394 \advance\na -1
15395 \if@RTL%
15396 \setbox\bslice=\vsplit\holder to\baselineskip
15397 \prune\bslice\rtside
15398 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15399 to\rtside{\box\bslice\hfil}}
15400 \setbox\aslice=\vsplit\holder to\baselineskip
15401 \prune\aslice\lftside
15402 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15403 to\lftside{\box\aslice\hfil}}
15404 \else%
15405 \setbox\aslice=\vsplit\holder to\baselineskip
15406 \prune\aslice\lftside
15407 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15408 to\lftside{\box\aslice\hfil}}
15409 \setbox\bslice=\vsplit\holder to\baselineskip
15410 \prune\bslice\rtside
15411 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15412 to\rtside{\box\bslice\hfil}}
15413 \fi%
15414 \ifnum\nb>0\repeat
15415 \fi\fi
15416 %

```



```

15417% only text on the left side
15418%
15419\ifnum\na>0
15420  \loop\advance\na -1
15421  \setbox\aslice=\vsplit\holder to\baselineskip
15422  \prune\aslice\lftside
15423  \setbox\waslice=\vbox{\unvbox\waslice\hbox
15424  to\lftside{\box\aslice\hfil}}
15425  \ifdim\ht\holder>0pt\repeat
15426\fi
15427%
15428% only text on the right side
15429%
15430\ifnum\nb>0
15431  \loop\advance\nb -1
15432  \setbox\bslice=\vsplit\holder to\baselineskip
15433  \prune\bslice\rtside
15434  \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15435  to\rtside{\box\bslice\hfil}}
15436  \ifdim\ht\holder>0pt\repeat
15437\fi
15438%
15439% fixing the dimensions of the window part
15440%
15441\ifnum\bl=0\topheight=\ht\wbslice
15442\else\ifnum\br=0\topheight=\ht\waslice
15443  \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15444  \else\topheight=\ht\wbslice\fi\fi\fi
15445%
15446% ship out the window material to the main vertical list
15447%
15448\ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15449\setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15450\fi\fi\fi
15451\setbox>windowbox=\vbox{\hbox to\linewidth{%
15452\ifnum\bl>0\box\waslice\hfill\fi%
15453\vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15454\vfill\unvbox\picbox%
15455\ifnum\picwd>0\vfill\fi%
15456\vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15457\unvbox>windowbox%
15458\loop
15459 \setbox\bslice=\vsplit\rawtext to\baselineskip
15460 \prune\bslice\linewidth
15461 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15462 \unvbox\wbslice
15463 \ifdim\ht\rawtext>0pt
15464 \repeat
15465}% FINITO

```



96 File plain-xetex-bidi.def

```
15466 \def\TeXeTOn{\TeXeTstate=1 }
15467 \def\TeXeTOff{\TeXeTstate=0 }
15468 \TeXeTOn
15469 \def\usebox#1{\leavevmode\copy #1\relax}
15470 \def\ bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox
15471   \let\ bidi@o@everypar=\everypar
15472   \newtoks\ bidi@n@everypar
15473   \ bidi@n@everypar\expandafter{\the\ bidi@o@everypar}
15474   \ bidi@o@everypar{\ bidi@RTL@everypar\the\ bidi@n@everypar}
15475   \let\everypar=\ bidi@n@everypar
15476 \def\moreLRE{\bracetext \aftergroup\endL \beginL \@RTLfalse}
15477 \def\moreRLE{\bracetext \aftergroup\endR \beginR \@RTLtrue}
15478 \protected\def\hboxR{\hbox\bgroup
15479   \everyhbox{%
15480     \aftergroup\egroup
15481     \everyhbox{}}%
15482   \beginR
15483   \@hboxRconstructtrue
15484   \bgroup
15485   \aftergroup\endR
15486   \aftergroup\egroup
15487   }\hbox}
15488 \protected\def\hboxL{\hbox\bgroup
15489   \everyhbox{%
15490     \aftergroup\egroup
15491     \everyhbox{}}%
15492   \beginL
15493   \@hboxRconstructfalse
15494   \bgroup
15495   \aftergroup\endL
15496   \aftergroup\egroup
15497   }\hbox}
15498 \protected\def\vboxR{\vbox\bgroup
15499   \everyvbox{%
15500     \aftergroup\egroup
15501     \everyvbox{}}%
15502   \@RTLtrue
15503   \bgroup
15504   \aftergroup\egroup
15505   }\vbox}
15506 \protected\def\vboxL{\vbox\bgroup
15507   \everyvbox{%
15508     \aftergroup\egroup
15509     \everyvbox{}}%
15510   \@RTLfalse
15511   \bgroup
15512   \aftergroup\egroup
15513   }\vbox}
```




```

15514 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15515 \def\endLTR{\par}
15516 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
15517 \def\endRTL{\par}
15518 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15519 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15520 \let\unsetRTL=\setLTR
15521 \let\unsetLTR=\setRTL
15522 \let\LR=\LRE
15523 \let\RL=\RLE
15524 \def\@ensureRTL#1{\if@RTL#1\else\RLE{#1}\fi}
15525 \def\@ensureLTR#1{\if@RTL\LRE{#1}\else#1\fi}
15526 \let\@ensureRL=\@ensureRTL
15527 \let\@ensureLR=\@ensureLTR
15528 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15529 \let\@ensure@maindir=\@ensure@dir
15530 \def\@RTL{RTL}
15531 \def\@LTR{LTR}
15532 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
15533 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
15534 \let\@TeX\TeX
15535 \def\TeX{\@ensure@LTR{\@TeX}}
15536 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
15537 \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
15538 \ifvoid\footins\else % footnote info is present
15539 \vskip\skip\footins
15540 \footnoterule
15541 \unvbox\footins\fi
15542 \ifrggedbottom \kern-\dimen@ \vfil \fi
15543 \ifvoid\@bidi@copyins@
15544 \else
15545 \vskip\skip\@bidi@copyins@
15546 \unvbox\@bidi@copyins@
15547 \fi
15548 }
15549 \long\def\bidi@reflect@box#1{%
15550 \leavevmode
15551 \setbox\z@\hbox{{#1}}%
15552 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
15553 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15554 }
15555 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
15556 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
15557 \let\setRL=\setRTL
15558 \let\setLR=\setLTR
15559 \let\unsetRL=\setLTR
15560 \let\bidi@sav@eqno=\eqno
15561 \let\bidi@sav@leqno=\leqno
15562 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@sav@leqno \else \bidi@sav@eqno \fi}
15563 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@sav@eqno \else \bidi@sav@leqno \fi}

```



```

15564 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15565 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15566 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

97 File pstricks-xetex-bidi.def

```

15567 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
15568 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15569 \def\endpspicture{%
15570   \ifshowgrid\ifnum\showgridp>0
15571     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15572   \pst@killglue
15573 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
15574   \endgroup
15575   \egroup
15576   \ifdim\wd\pst@hbox=\z@ \else
15577     %\@pstrickserr{Extraneous space in the pspicture environment}%
15578     %\Type \space <return> \space to proceed.}%
15579   \fi
15580   \ht\pst@hbox=\pst@dimd
15581   \dp\pst@hbox=-\pst@dimb
15582   \setbox\pst@hbox=\hbox{%
15583     \kern-\pst@dimd
15584 %   Orig version -----
15585 %\ifx\pst@tempa\@empty\else
15586 %\advance\pst@dimd-\pst@dimb
15587 %\pst@dimd=\pst@tempa\pst@dimd
15588 %\advance\pst@dimd\pst@dimb
15589 %\lower\pst@dimd
15590 %\fi
15591 %----- end Orig
15592   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift==
15593     \advance\pst@dimd-\pst@dimb
15594     \pst@dimd=0.5\pst@dimd
15595   \else\pst@dimd-\pst@shift\fi
15596   \advance\pst@dimd\pst@dimb
15597   \lower\pst@dimd
15598   \box\pst@hbox
15599   \kern\pst@dimc}%
15600 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15601 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15602 \fboxsep=0pt
15603 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15604 \ifmmode\else\endL\fi
15605 \endgroup%
15606 \psset[pstricks]{shift=0}% reset value
15607 }

```

98 File quotchap-xetex-bidi.def



```

15608 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15609 \renewcommand{\qauthor}[1]{%
15610   \par\smallskip
15611   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{}\par}\bigskip}
15612 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15613   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15614     {\chapnumfont
15615       \ifnum \c@secnumdepth >\m@ne%
15616       \if@mainmatter\thechapter%
15617       \fi\fi
15618       \par\nobreak}%
15619     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10\p
15620     \nobreak\chapterheadendvskip}}
15621 \renewcommand*{\@iprintcites}{%
15622   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15623   \global\let\@printcites\relax}

```

99 File ragged2e-xetex-bidi.def

```

15624 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
15625 \renewcommand{\Centering}{%
15626   \ifx\\ \@raggedtwoe@savedcr
15627     \let\\ \@centercr
15628   \fi
15629   \let\@gnewline\@raggedtwoe@gnewline
15630   \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
15631   \@rightskip\CenteringRightskip
15632   \if@RTL\leftskip\else\rightskip\fi\@rightskip
15633   \parfillskip\CenteringParfillskip
15634   \parindent\CenteringParindent
15635   \@raggedtwoe@spaceskiptrue
15636   \@raggedtwoe@everyselectfont
15637 }
15638 \renewcommand{\RaggedLeft}{%
15639   \ifx\\ \@raggedtwoe@savedcr
15640     \let\\ \@centercr
15641   \fi
15642   \let\@gnewline\@raggedtwoe@gnewline
15643   \if@RTL\rightright\else\leftskip\fi\RaggedLeftLeftskip
15644   \@rightskip\RaggedLeftRightskip
15645   \if@RTL\leftskip\else\rightskip\fi\@rightskip
15646   \parfillskip\RaggedLeftParfillskip
15647   \parindent\RaggedLeftParindent
15648   \@raggedtwoe@spaceskiptrue
15649   \@raggedtwoe@everyselectfont
15650 }
15651 \renewcommand{\RaggedRight}{%
15652   \ifx\\ \@raggedtwoe@savedcr
15653     \let\\ \@centercr
15654   \fi

```



```

15655 \let\@gnewline\@raggedtwoe@gnewline
15656 \if@RTL\rightright\else\leftskip\fi\RaggedRightLeftskip
15657 \@rightskip\RaggedRightRightskip
15658 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15659 \parfillskip\RaggedRightParfillskip
15660 \parindent\RaggedRightParindent
15661 \@raggedtwoe@spaceskiptrue
15662 \@raggedtwoe@everyselectfont
15663 }
15664 \renewcommand{\justifying}{%
15665 \let\@raggedtwoe@savdcr
15666 \let\@gnewline\@raggedtwoe@savd@gnewline
15667 \if@RTL\rightright\else\leftskip\fi\z@
15668 \@rightskip\z@
15669 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15670 \parfillskip\JustifyingParfillskip
15671 \parindent\JustifyingParindent
15672 \@raggedtwoe@spaceskipfalse
15673 \@raggedtwoe@everyselectfont
15674 }
15675 \def\@raggedtwoe@raggedrightboxes@opt{%
15676 \renewcommand{\@arrayparboxrestore}{%
15677 \let\if@nobreak\iffalse
15678 \let\if@noskipsec\iffalse
15679 \let\par\@par
15680 \let\-\@dischph
15681 \let'\@acci\let\`@accii\let\=@acciii
15682 \parskip\z@skip
15683 \everypar{}%
15684 \linewidth\hsize
15685 \@totalleftmargin\z@
15686 \if@RTL
15687 \RaggedLeft
15688 \else
15689 \RaggedRight
15690 \fi
15691 \lineskip\normallineskip
15692 \baselineskip\normalbaselineskip
15693 \sloppy}%
15694 \let\@raggedtwoe@raggedrightboxes@opt\relax
15695 }
15696 \def\@raggedtwoe@document@opt{%
15697 \AtBeginDocument{\@raggedtwoe@abdhook}%
15698 \@raggedtwoe@raggedrightboxes@opt
15699 \@raggedtwoe@footmisctrue
15700 \let\@raggedtwoe@document@opt\relax
15701 }
15702 \def\@raggedtwoe@abdhook{%
15703 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
15704 right to left documents and '\string\RaggedRight' for left

```



```

15705     to right documents}%
15706 \if@RTL
15707     \RaggedLeft
15708 \else
15709     \RaggedRight
15710 \fi
15711 \@ifundefined{@tocrmarg}{\edef\tocrmarg{\@tocrmarg plus 2em}}%
15712 \let\raggedtwoe@abdhook\relax
15713 }
15714 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
15715     \raggedtwoe@raggedrightboxes@opt
15716 }{}
15717 \@ifpackagewith{ragged2e}{document}{%
15718     \raggedtwoe@document@opt
15719 }{}
15720 \let\origin@RaggedLeft=\RaggedLeft
15721 \let\origin@RaggedRight=\RaggedRight
15722 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
15723 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

100 File rapport1-xetex-bidi.def

```

15724 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for
15725 \renewenvironment{theindex}{%
15726     \if@twocolumn
15727         \@restonecolfalse
15728     \else
15729         \@restonecoltrue
15730     \fi
15731     \columnseprule \z@
15732     \columnsep 35\p@
15733     \twocolumn[\@makeschapterhead{\indexname}]%
15734     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15735     \thispagestyle{plain}\parindent\z@
15736     \parskip\z@ \@plus .3\p@\relax
15737     \let\item\@idxitem
15738 }{%
15739     \if@restonecol\onecolumn\else\clearpage\fi}
15740 \renewcommand*{\head@style}{%
15741     \interlinepenalty \@M
15742     \hyphenpenalty=\@M \exhyphenpenalty=\@M
15743     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15744 \if@titlepage
15745     \renewenvironment{abstract}{%
15746         \titlepage
15747         \null\vfil
15748         \section*{\SectFont\abstractname}%
15749         \noindent\ignorespaces
15750         {\par\vfil\null\endtitlepage}
15751 \else

```



```

15752 \renewenvironment{abstract}{%
15753     \if@twocolumn
15754         \section*{\abstractname}%
15755     \else
15756         \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15757         \section*{\small\SectFont\abstractname}%
15758         \noindent\ignorespaces
15759     \fi}
15760 {\if@twocolumn\else\par\egroup\fi}
15761 \fi
15762 \renewcommand*{\@regtocline[3]}{%
15763     \ifnum #1>\c@tocdepth
15764     \else
15765         \vskip\z@ \@plus.2\p@
15766         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15767         \if@RTL\rightskip\else\leftskip\fi\unitindent
15768         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
15769         \parfillskip\z@
15770         \@tempdima\unitindent
15771         \parindent\z@
15772         \leavevmode
15773         \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
15774         \hskip 1em \nobreak{\slshape #3}\par
15775     }%
15776     \fi}
15777 \if@oldtoc
15778 \renewcommand*{\l@part[2]}{%
15779     \ifnum \c@tocdepth >-2\relax
15780         \addpenalty{-\@highpenalty}%
15781         \addvspace{2.25em \@plus\p@}%
15782         \begingroup
15783             \setlength{\@tempdima}{3em}%
15784             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15785             \parfillskip -\@pnumwidth
15786             {\leavevmode
15787                 \large \bfseries #1\hfil \hb@xt@{\@pnumwidth}{\hss #2}}\par
15788                 \nobreak
15789                 \global\@nobreaktrue
15790                 \everypar{\global\@nobreakfalse\everypar{}}%
15791             \endgroup
15792     \fi}
15793 \else
15794     \renewcommand*{\l@part}{%
15795         \ifnum \c@tocdepth >-2\relax
15796             \addpenalty{-\@highpenalty}%
15797             \addvspace{2.25em \@plus\p@}%
15798             \@regtocline{0}%
15799         \fi}
15800 \fi
15801 \if@oldtoc

```



```

15802 \renewcommand*\l@chapter[2]{%
15803     \addpenalty{-\@highpenalty}%
15804     \vskip 1.0em \@plus\p@
15805     \setlength\@tempdima{1.5em}%
15806     \begingroup
15807     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15808     \parfillskip -\@pnumwidth
15809     \leavevmode \bfseries
15810     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15811     \hskip -\if@RTL\rightskip\else\leftskip\fi
15812     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15813     \penalty\@highpenalty
15814     \endgroup}
15815 \else
15816     \renewcommand*\l@chapter{\@regtocline{0}}
15817 \fi
15818 \renewcommand*\left@footnoterule{%
15819     \kern-3\p@
15820     \kern.5\baselineskip
15821     \hrule\@width\unitindent
15822     \kern.4\baselineskip
15823 }
15824 \renewcommand*\right@footnoterule{%
15825     \kern-3\p@
15826     \kern.5\baselineskip
15827     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15828     \kern.4\baselineskip}
15829 \renewenvironment{thebibliography}[1]
15830     {\chapter*{\bibname}%
15831     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15832     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15833     \bidi@@thebibliography@font@hook%
15834     \list{\@biblabel{\@arabic\c@enumiv}}%
15835     {\settowidth\labelwidth{\@biblabel{#1}}%
15836     \leftmargin\labelwidth
15837     \advance\leftmargin\labelsep
15838     \@openbib@code
15839     \usecounter{enumiv}%
15840     \let\p@enumiv\@empty
15841     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15842     \sloppy\clubpenalty4000\widowpenalty4000%
15843     \sfcode`\.\@m}
15844     {\def\@noitemerr
15845     {\@latex@warning{Empty `thebibliography' environment}}%
15846     \endlist}
15847 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15848 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15849 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15850 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15851 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}

```



```

15852 \renewcommand*\theequation{%
15853   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15854 \renewcommand*\thefigure{%
15855   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15856 \renewcommand*\thetable{%
15857   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15858 \if@titlepage
15859 \renewcommand*\TitleFont{\rmfamily}
15860 \renewcommand*\maketitle{%
15861   \begin{titlepage}%
15862     \let\footnotesize\small
15863     \let\right@footnoterule\relax
15864     \let\left@footnoterule\relax
15865     \let\textwidth\footnoterule\relax
15866     \let \footnote \thanks
15867     \long\def\@makefnmark##1{\parindent\z@
15868       \def\labelitemi{\textendash}\@revlabeltrue
15869       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15870     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15871     \if@compatibility\setcounter{page}{0}\fi
15872     \null\vfil
15873     \vskip 60\p@
15874     \begin{center}%
15875       \TitleFont
15876       {\LARGE \def\\{\penalty -\@M}
15877         \if@allcaps
15878           \expandafter\uc@nothanks\@title\thanks\relax
15879         \else
15880           \@title
15881         \fi\par}%
15882       \vskip 3em%
15883       {\large
15884         \lineskip .75em \parindent\z@
15885         \begin{tabular}[t]{c}%
15886           \if@allcaps
15887             \expandafter\uc@authornothanks\@author\and\relax
15888           \else
15889             \@author
15890           \fi
15891         \end{tabular}\par}%
15892       \vskip 1.5em%
15893       {\large
15894         \if@allcaps
15895           \uppercase\expandafter{\@date}%
15896         \else
15897           \@date
15898         \fi\par}%
15899       \end{center}\par
15900     \@thanks
15901     \vfil\null

```




```

15902 \end{titlepage}%
15903 \setcounter{footnote}{0}%
15904 \global\let\thanks\relax
15905 \global\let\maketitle\relax
15906 \global\let\@thanks\@empty
15907 \global\let\@author\@empty
15908 \global\let\@title\@empty
15909 \global\let\@date\@empty
15910 \global\let\title\relax
15911 \global\let\author\relax
15912 \global\let\date\relax
15913 \global\let\and\relax
15914 }
15915 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15916 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15917 \futurelet\@tempa\uc@ax}
15918 \def\uc@ax{%
15919 \ifx\@tempa\relax
15920 \else
15921 \\\ \andname \\\ \expandafter\uc@authornothanks
15922 \fi}
15923 \def\uc@tx{\ifx\@tempa\relax
15924 \else \expandafter\uc@ty \fi}
15925 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15926 \else
15927 \renewcommand*\maketitle{\par
15928 \begingroup
15929 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15930 \def\@makefnmark{\rlap{%
15931 \@textsuperscript{\normalfont\@thefnmark}}}%
15932 \long\def\@makefntext{\@xmakefntext{%
15933 \@textsuperscript{\normalfont\@thefnmark}}}%
15934 \if@twocolumn
15935 \ifnum \col@number=\@ne
15936 \@maketitle
15937 \else
15938 \twocolumn[\@maketitle]%
15939 \fi
15940 \else
15941 \newpage
15942 \global\@topnum\z@
15943 \@maketitle
15944 \fi
15945 \thispagestyle{plain}\@thanks
15946 \endgroup
15947 \setcounter{footnote}{0}%
15948 \global\let\thanks\relax
15949 \global\let\maketitle\relax
15950 \global\let\@maketitle\relax
15951 \global\let\@thanks\@empty

```



```

15952 \global\let\@author\@empty
15953 \global\let\@title\@empty
15954 \global\let\@date\@empty
15955 \global\let\title\relax
15956 \global\let\author\relax
15957 \global\let\date\relax
15958 \global\let\and\relax
15959 }
15960 \def\@maketitle{%
15961 \newpage
15962 \null
15963 \vskip 2em%
15964 \begin{center}%
15965 \let \footnote \thanks
15966 {\LARGE \TitleFont \@title \par}%
15967 \vskip 1.5em%
15968 {\large \TitleFont
15969 \lineskip .5em%
15970 \begin{tabular}[t]{c}%
15971 \@author
15972 \end{tabular}\par}%
15973 \vskip 1em%
15974 {\large \TitleFont \@date}%
15975 \end{center}%
15976 \par
15977 \vskip 1.5em}
15978 \fi

```

101 File rapport3-xetex-bidi.def

```

15979 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class for
15980 \renewenvironment{theindex}{%
15981 \if@twocolumn
15982 \@restonecolfalse
15983 \else
15984 \@restonecoltrue
15985 \fi
15986 \columnseprule \z@
15987 \columnsep 35\p@
15988 \twocolumn[\@makeschapterhead{\indexname}]%
15989 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15990 \thispagestyle{plain}\parindent\z@
15991 \parskip\z@ \@plus .3\p@\relax
15992 \let\item\@idxitem
15993 }{%
15994 \if@restonecol\onecolumn\else\clearpage\fi}
15995 \if@titlepage
15996 \renewcommand*\TitleFont{\rmfamily}
15997 \renewcommand*\maketitle{%
15998 \begin{titlepage}%

```



```

15999 \let\footnotesize\small
16000 \let\right@footnoterule\relax
16001 \let\left@footnoterule\relax
16002 \let\textwidth@footnoterule\relax
16003 \let \footnote \thanks
16004 \let \LTRfootnote \LTRthanks
16005 \let \RTLfootnote \RTLthanks
16006 \long\def\@makefntext##1{\parindent\z@
16007 \def\labelitemi{\textendash}\@revlabeltrue
16008 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
16009 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16010 \if@compatibility\setcounter{page}{0}\fi
16011 \null\vfil
16012 \vskip 60\p@
16013 \begin{center}%
16014 \TitleFont
16015 {\LARGE \def\{\{\penalty -\@M}
16016 \if@allcaps
16017 \expandafter\uc@nothanks\@title\thanks\relax
16018 \else
16019 \@title
16020 \fi\par}%
16021 \vskip 3em%
16022 {\large
16023 \lineskip .75em \parindent\z@
16024 \begin{tabular}[t]{c}%
16025 \if@allcaps
16026 \expandafter\uc@authornothanks\@author\and\relax
16027 \else
16028 \@author
16029 \fi
16030 \end{tabular}\par}%
16031 \vskip 1.5em%
16032 {\large
16033 \if@allcaps
16034 \uppercase\expandafter{\@date}%
16035 \else
16036 \@date
16037 \fi\par}%
16038 \end{center}\par
16039 \@thanks
16040 \vfil\null
16041 \end{titlepage}%
16042 \setcounter{footnote}{0}%
16043 \global\let\thanks\relax
16044 \global\let\LTRthanks\relax
16045 \global\let\RTLthanks\relax
16046 \global\let\maketitle\relax
16047 \global\let\@thanks\@empty
16048 \global\let\@author\@empty

```



```

16049 \global\let\@title\@empty
16050 \global\let\@date\@empty
16051 \global\let\title\relax
16052 \global\let\author\relax
16053 \global\let\date\relax
16054 \global\let\and\relax
16055 }
16056 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
16057 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
16058   \futurelet\@tempa\uc@ax}
16059 \def\uc@ax{%
16060   \ifx\@tempa\relax
16061   \else
16062     \\\andname \\\expandafter\uc@authornothanks
16063   \fi}
16064 \def\uc@tx{\ifx\@tempa\relax
16065   \else \expandafter\uc@ty \fi}
16066 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
16067 \else
16068 \renewcommand*\maketitle{\par
16069   \begingroup
16070     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16071     \def\@makefnmark{\rlap{%
16072       \@textsuperscript{\normalfont\@thefnmark}}}%
16073     \long\def\@makefntext{\@xmakefntext{%
16074       \@textsuperscript{\normalfont\@thefnmark}}}%
16075     \if@twocolumn
16076       \ifnum \col@number=\@ne
16077         \@maketitle
16078       \else
16079         \twocolumn[\@maketitle]%
16080       \fi
16081     \else
16082       \newpage
16083       \global\@topnum\z@
16084       \@maketitle
16085     \fi
16086     \thispagestyle{plain}\@thanks
16087   \endgroup
16088   \setcounter{footnote}{0}%
16089   \global\let\thanks\relax
16090   \global\let\LTRthanks\relax
16091   \global\let\RTLthanks\relax
16092   \global\let\maketitle\relax
16093   \global\let\@maketitle\relax
16094   \global\let\@thanks\@empty
16095   \global\let\@author\@empty
16096   \global\let\@title\@empty
16097   \global\let\@date\@empty
16098   \global\let\title\relax

```



```

16099 \global\let\author\relax
16100 \global\let\date\relax
16101 \global\let\and\relax
16102 }
16103 \def\@maketitle{%
16104 \newpage
16105 \null
16106 \vskip 2em%
16107 \if@titlecentered
16108 \begin{center}%
16109 \let \footnote \thanks
16110 \let \LTRfootnote \LTRthanks
16111 \let \RTLfootnote \RTLthanks
16112 {\LARGE \TitleFont \@title \par}%
16113 \vskip 1.5em%
16114 {\large \TitleFont
16115 \lineskip .5em%
16116 \begin{tabular}[t]{c}%
16117 \author
16118 \end{tabular}\par}%
16119 \vskip 1em%
16120 {\large \TitleFont \@date}%
16121 \end{center}%
16122 \else
16123 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
16124 {\large \TitleFont \lineskip .5em \tabcolsep\z@
16125 \def\and{%% \begin{tabular} has already started
16126 \end{tabular}\hskip 1em plus .17fil
16127 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
16128 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\author\end{tabular}\par}
16129 \vskip 1em {\large \TitleFont \@date}
16130 \fi
16131 \par
16132 \vskip 1.5em}
16133 \fi
16134 \renewcommand*\@regtocline[3]{%
16135 \ifnum #1>\c@tocdepth
16136 \else
16137 \vskip\z@\@plus.2\p@
16138 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
16139 \if@RTL\righskip\else\leftskip\fi\unitindent
16140 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
16141 \parfillskip\z@
16142 \@tempdima\unitindent
16143 \parindent\z@
16144 \leavevmode
16145 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
16146 \hskip 1em \nobreak{\slshape #3}\par
16147 }%
16148 \fi}

```



```

16149 \if@oldtoc
16150 \renewcommand*\l@part[2]{%
16151   \ifnum \c@tocdepth >-2\relax
16152     \addpenalty{-\@highpenalty}%
16153     \addvspace{2.25em \@plus\p@}%
16154     \begingroup
16155       \setlength\@tempdima{3em}%
16156       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16157       \parfillskip -\@pnumwidth
16158       {\leavevmode
16159         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16160       \nobreak
16161       \global\@nobreaktrue
16162       \everypar{\global\@nobreakfalse\everypar{}}%
16163     \endgroup
16164   \fi}
16165 \else
16166   \renewcommand*\l@part{%
16167     \ifnum \c@tocdepth >-2\relax
16168       \addpenalty{-\@highpenalty}%
16169       \addvspace{2.25em \@plus\p@}%
16170       \@regtocline{0}%
16171     \fi}
16172 \fi
16173 \if@oldtoc
16174 \renewcommand*\l@chapter[2]{%
16175   \addpenalty{-\@highpenalty}%
16176   \vskip 1.0em \@plus\p@
16177   \setlength\@tempdima{1.5em}%
16178   \begingroup
16179   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16180   \parfillskip -\@pnumwidth
16181   \leavevmode \bfseries
16182   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16183   \hskip -\if@RTL\rightskip\else\leftskip\fi
16184   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16185   \penalty\@highpenalty
16186   \endgroup}
16187 \else
16188   \renewcommand*\l@chapter{\@regtocline{0}}
16189 \fi
16190 \renewcommand*\head@style{%
16191   \interlinepenalty \@M
16192   \hyphenpenalty=\@M \exhyphenpenalty=\@M
16193   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
16194 \if@titlepage
16195   \renewenvironment{abstract}{%
16196     \titlepage
16197     \null\vfil
16198     \section*{\SectFont\abstractname}%

```



```

16199 \noindent\ignorespaces}
16200 {\par\vfil\null\endtitlepage}
16201 \else
16202 \renewenvironment{abstract}{%
16203 \if@twocolumn
16204 \section*{\abstractname}%
16205 \else
16206 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
16207 \section*{\small\SectFont\abstractname}%
16208 \noindent\ignorespaces
16209 \fi}
16210 {\if@twocolumn\else\par\egroup\fi}
16211 \fi
16212 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
16213 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16214 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
16215 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16216 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
16217 \renewcommand*\thefigure{%
16218 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
16219 \renewcommand*\thetable{%
16220 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
16221 \renewcommand*\theequation{%
16222 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
16223 \renewenvironment{thebibliography}[1]
16224 {\chapter*{\bibname}%
16225 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16226 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16227 \bidi@thebibliography@font@hook%
16228 \list{\@biblabel{\@arabic\c@enumiv}}%
16229 {\settowidth\labelwidth{\@biblabel{#1}}%
16230 \leftmargin\labelwidth
16231 \advance\leftmargin\labelsep
16232 \@openbib@code
16233 \usecounter{enumiv}%
16234 \let\p@enumiv\@empty
16235 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
16236 \sloppy\clubpenalty4000\widowpenalty4000%
16237 \sfcode`.\@m}
16238 {\def\@noitemerr
16239 {\@latex@warning{Empty `thebibliography' environment}}%
16240 \endlist}
16241 \renewcommand*\left@footnoterule{%
16242 \kern-3\p@
16243 \kern.5\baselineskip
16244 \hrule\@width\unitindent
16245 \kern.4\baselineskip
16246 }
16247 \renewcommand*\right@footnoterule{%
16248 \kern-3\p@

```



```

16249 \kern.5\baselineskip
16250 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16251 \kern.4\baselineskip}
16252 \renewcommand*\head@style{%
16253   \interlinepenalty \@M
16254   \hyphenpenalty=\@M \exhyphenpenalty=\@M
16255   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

102 File refrep-xetex-bidi.def

```

16256 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for Xe
16257 \if@titlepage
16258   \renewcommand\maketitle{\begin{titlepage}%
16259     \let\footnotesize\small
16260     \let\right@footnoterule\relax
16261     \let\left@footnoterule\relax
16262     \let\textwidth@footnoterule\relax
16263     \let\footnote\thanks
16264     \let\LTRfootnote\LTRthanks
16265     \let\RTLfootnote\RTLthanks
16266     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16267     \def\@makefnmark%
16268       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16269     \long\def\@makefntext##1{%
16270       \@setpar{\@par
16271         \@tempdima = \hsize
16272         \advance\@tempdima -1em
16273         \parshape \@ne 1em \@tempdima}%
16274       \par\parindent 1em \noindent
16275       \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16276     \null\vfil
16277     \vskip 60\p@
16278     \begin{center}%
16279       {\LARGE \@title \par}%
16280       \vskip 3em%
16281       {\large
16282         \lineskip .75em%
16283         \begin{tabular}[t]{c}%
16284           \@author
16285         \end{tabular}\par}%
16286       \vskip 1.5em%
16287       {\large \@date \par}%           % Set date in \large size.
16288     \end{center}\par
16289     \@thanks
16290     \vfil\null
16291     \end{titlepage}%
16292     \setcounter{footnote}{0}%
16293     \global\let\thanks\relax
16294     \global\let\LTRthanks\relax
16295     \global\let\RTLthanks\relax

```




```

16296 \global\let\maketitle\relax
16297 \global\let\@thanks\@empty
16298 \global\let\@author\@empty
16299 \global\let\@date\@empty
16300 \global\let\@title\@empty
16301 \global\let\title\relax
16302 \global\let\author\relax
16303 \global\let\date\relax
16304 \global\let\and\relax
16305 }
16306 \else
16307 \renewcommand\maketitle{\par
16308 \begingroup
16309 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16310 \def\@makefnmark%
16311 { \rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16312 \long\def\@makefntext##1{%
16313 \setpar{\@par
16314 \tempdima = \hsize
16315 \advance\tempdima -1em
16316 \parshape \one 1em \tempdima}%
16317 \par\parindent 1em \noindent
16318 \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\},\##1}
16319 \if@twocolumn
16320 \ifnum \col@number=\@one
16321 \maketitle
16322 \else
16323 \twocolumn[\maketitle]%
16324 \fi
16325 \else
16326 \newpage
16327 \global\@topnum\z@ % Prevents figures from going at top of page.
16328 \maketitle
16329 \fi
16330 \thispagestyle{empty}\@thanks
16331 \endgroup
16332 \setcounter{footnote}{0}%
16333 \global\let\thanks\relax
16334 \global\let\LTRthanks\relax
16335 \global\let\RTLthanks\relax
16336 \global\let\maketitle\relax
16337 \global\let\@maketitle\relax
16338 \global\let\@thanks\@empty
16339 \global\let\@author\@empty
16340 \global\let\@date\@empty
16341 \global\let\@title\@empty
16342 \global\let\title\relax
16343 \global\let\author\relax
16344 \global\let\date\relax
16345 \global\let\and\relax

```



```

16346 }
16347 \def\@maketitle{%
16348   \newpage
16349   \null
16350   \longthickrule\vskip1.5em%
16351   \let \footnote \thanks
16352   \let \LTRfootnote \LTRthanks
16353   \let \RTLfootnote \RTLthanks
16354   {\secshape \parskip\z@ \parindent\z@
16355   \Large\bfseries \@title \par}%
16356   \vskip1.5em\longthickrule\vskip1.5em%
16357   {\normalsize
16358     \lineskip .5em%
16359     \begin{flushright}%
16360       {\slshape\@author\par}
16361       \vskip 1em%
16362       {\@date}%
16363     \end{flushright}\par}%
16364   \vskip 1.5em}
16365 \fi
16366 \renewcommand*\l@part[2]{%
16367   \ifnum \c@tocdepth >-2\relax
16368     \addpenalty{-\@highpenalty}%
16369     \addvspace{2.25em \@plus\p@}%
16370     \begingroup
16371       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16372       \parfillskip -\@pnumwidth
16373       {\leavevmode
16374         \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
16375       \nobreak
16376       \global\@nobreaktrue
16377       \everypar{\global\@nobreakfalse\everypar{}}%
16378     \endgroup
16379   \fi}
16380 \renewcommand*\l@chapter[2]{%
16381   \ifnum \c@tocdepth >\m@ne
16382     \addpenalty{-\@highpenalty}%
16383     \vskip 1.0em \@plus\p@
16384     \setlength\@tempdima{1.5em}%
16385     \begingroup
16386       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16387       \parfillskip -\@pnumwidth
16388       \leavevmode \bfseries
16389       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16390       \hskip -\if@RTL\rightskip\else\leftskip\fi
16391       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16392       \penalty\@highpenalty
16393     \endgroup
16394   \fi}
16395 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%

```



```

16396             \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
16397             \hyphenpenalty=2000}
16398 \renewcommand\left@footnoterule{%
16399   \kern-3\p@
16400   \hrule\@width.4\columnwidth
16401   \kern 2.6\p@}
16402 \renewcommand\right@footnoterule{%
16403   \kern-3\p@
16404   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16405   \kern2.6\p@}
16406 \renewcommand\theequation
16407 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16408 \renewcommand\thefigure
16409   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16410 \renewcommand\thetable%
16411   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16412 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
16413 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
16414 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\csubsubsection}
16415 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16416 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16417 \renewenvironment{thebibliography}[1]
16418   {\chapter*{\bibname
16419     \@mkboth{\bibname}{\bibname}}%
16420     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16421     \bidi@thebibliography@font@hook%
16422     \list{\@biblabel{\@arabic\c@enumiv}}%
16423       {\settowidth\labelwidth{\@biblabel{#1}}%
16424        \leftmargin\labelwidth
16425        \advance\leftmargin\labelsep
16426        \@openbib@code
16427        \usecounter{enumiv}%
16428        \let\p@enumiv\@empty
16429        \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16430        \sloppy
16431        \clubpenalty4000
16432        \@clubpenalty \clubpenalty
16433        \widowpenalty4000%
16434        \sfcode`\.=\@m}
16435   {\def\@noitemerr
16436     {\@latex@warning{Empty `thebibliography' environment}}%
16437     \endlist}

```

103 File report-xetex-bidi.def

```

16438 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report class]
16439 \renewenvironment{theindex}
16440   {\if@twocolumn
16441     \@restonecolfalse
16442     \else

```



```

16443         \@restonecoltrue
16444     \fi
16445     \columnseprule \z@
16446     \columnsep 35\p@
16447     \twocolumn[\@makeschapterhead{\indexname}]%
16448     \@mkboth{\MakeUppercase\indexname}%
16449             {\MakeUppercase\indexname}%
16450     \thispagestyle{plain}\parindent\z@
16451     \parskip\z@ \@plus .3\p@\relax
16452     \let\item\@idxitem}
16453     {\if@restonecol\onecolumn\else\clearpage\fi}
16454 \if@titlepage
16455 \renewcommand\maketitle{\begin{titlepage}%
16456 \let\footnotesize\small
16457 \let\right@footnoterule\relax
16458 \let\left@footnoterule\relax
16459 \let\textwidth@footnoterule\relax
16460 \let \footnote \thanks
16461 \let \LTRfootnote \LTRthanks
16462 \let \RTLfootnote \RTLthanks
16463 \null\vfil
16464 \vskip 60\p@
16465 \begin{center}%
16466     {\LARGE \@title \par}%
16467     \vskip 3em%
16468     {\large
16469         \lineskip .75em%
16470         \begin{tabular}[t]{c}%
16471             \@author
16472         \end{tabular}\par}%
16473         \vskip 1.5em%
16474         {\large \@date \par}%           % Set date in \large size.
16475 \end{center}\par
16476 \@thanks
16477 \vfil\null
16478 \end{titlepage}%
16479 \setcounter{footnote}{0}%
16480 \global\let\thanks\relax
16481 \global\let\LTRthanks\relax
16482 \global\let\RTLthanks\relax
16483 \global\let\maketitle\relax
16484 \global\let\@thanks\@empty
16485 \global\let\@author\@empty
16486 \global\let\@date\@empty
16487 \global\let\@title\@empty
16488 \global\let\title\relax
16489 \global\let\author\relax
16490 \global\let\date\relax
16491 \global\let\and\relax
16492 }

```



```

16493 \else
16494 \renewcommand\maketitle{\par
16495   \begin{group}
16496     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16497     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16498     \long\def\@makefnmark##1{\parindent 1em\noindent
16499       \hb@xt@1.8em{%
16500         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16501     \if@twocolumn
16502       \ifnum \col@number=\@ne
16503         \@maketitle
16504       \else
16505         \twocolumn[\@maketitle]%
16506       \fi
16507     \else
16508       \newpage
16509       \global\@topnum\z@ % Prevents figures from going at top of page.
16510       \@maketitle
16511     \fi
16512     \thispagestyle{plain}\@thanks
16513   \end{group}
16514   \setcounter{footnote}{0}%
16515   \global\let\thanks\relax
16516   \global\let\LTRthanks\relax
16517   \global\let\RTLthanks\relax
16518   \global\let\maketitle\relax
16519   \global\let\@maketitle\relax
16520   \global\let\@thanks\@empty
16521   \global\let\@author\@empty
16522   \global\let\@date\@empty
16523   \global\let\@title\@empty
16524   \global\let\title\relax
16525   \global\let\author\relax
16526   \global\let\date\relax
16527   \global\let\and\relax
16528 }
16529 \def\@maketitle{%
16530   \newpage
16531   \null
16532   \vskip 2em%
16533   \begin{center}%
16534     \let \footnote \thanks
16535     \let \LTRfootnote \LTRthanks
16536     \let \RTLfootnote \RTLthanks
16537     {\LARGE \@title \par}%
16538     \vskip 1.5em%
16539     {\large
16540       \lineskip .5em%
16541       \begin{tabular}[t]{c}%
16542         \@author

```



```

16543 \end{tabular}\par}%
16544 \vskip 1em%
16545 {\large \@date}%
16546 \end{center}%
16547 \par
16548 \vskip 1.5em}
16549 \fi
16550 \renewcommand*\l@part[2]{%
16551 \ifnum \c@tocdepth >-2\relax
16552 \addpenalty{-\@highpenalty}%
16553 \addvspace{2.25em \@plus\p@}%
16554 \setlength\@tempdima{3em}%
16555 \begingroup
16556 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16557 \parfillskip -\@pnumwidth
16558 {\leavevmode
16559 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16560 \nobreak
16561 \global\@nobreaktrue
16562 \everypar{\global\@nobreakfalse\everypar{}}%
16563 \endgroup
16564 \fi}
16565 \renewcommand*\l@chapter[2]{%
16566 \ifnum \c@tocdepth >\m@ne
16567 \addpenalty{-\@highpenalty}%
16568 \vskip 1.0em \@plus\p@
16569 \setlength\@tempdima{1.5em}%
16570 \begingroup
16571 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16572 \parfillskip -\@pnumwidth
16573 \leavevmode \bfseries
16574 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16575 \hskip -\if@RTL\rightskip\else\leftskip\fi
16576 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16577 \penalty\@highpenalty
16578 \endgroup
16579 \fi}
16580 \renewcommand\left@footnoterule{%
16581 \kern-3\p@
16582 \hrule\@width.4\columnwidth
16583 \kern2.6\p@}
16584 \renewcommand\right@footnoterule{%
16585 \kern-3\p@
16586 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16587 \kern2.6\p@}
16588 \renewcommand\theequation
16589 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16590 \renewcommand \thefigure
16591 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16592 \renewcommand \thetable

```



```

16593     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16594 \renewcommand \thechapter {\@arabic\c@chapter}
16595 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16596 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16597 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16598 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16599 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16600 \def\@makechapterhead#1{%
16601   \vspace*{50\p@}%
16602   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16603     \ifnum \c@secnumdepth >\m@ne
16604       \huge\bfseries \@chapapp\space \thechapter
16605       \par\nobreak
16606       \vskip 20\p@
16607     \fi
16608     \interlinepenalty\@M
16609     \Huge \bfseries #1\par\nobreak
16610     \vskip 40\p@
16611   }}
16612 \def\@makeschapterhead#1{%
16613   \vspace*{50\p@}%
16614   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16615     \normalfont
16616     \interlinepenalty\@M
16617     \Huge \bfseries #1\par\nobreak
16618     \vskip 40\p@
16619   }}
16620 \renewenvironment{thebibliography}[1]
16621   {\chapter*{\bibname}%
16622     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16623     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16624     \bidi@thebibliography@font@hook%
16625     \list{\@biblabel{\@arabic\c@enumiv}}%
16626       {\settowidth\labelwidth{\@biblabel{#1}}%
16627         \leftmargin\labelwidth
16628         \advance\leftmargin\labelsep
16629         \@openbib@code
16630         \usecounter{enumiv}%
16631         \let\p@enumiv\@empty
16632         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16633     \sloppy
16634     \clubpenalty4000
16635     \@clubpenalty \clubpenalty
16636     \widowpenalty4000%
16637     \sfcode`\.\@m}
16638 {\def\@noitemerr
16639   {\@latexwarning{Empty `thebibliography' environment}}%
16640   \endlist}

```



104 File rotating-xetex-bidi.def

```

16641 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
16642 \def\end@rotfloat{%
16643   \end{minipage}\end{lrbox}%
16644   \stepcounter{r@tfl@t}%
16645   \rot@label{RF\ther@tfl@t}%
16646   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16647   \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
16648   \rot@mess@toks\expandafter{\@tempa}
16649   \wd\rot@float@box\z@
16650   \ht\rot@float@box\z@
16651   \dp\rot@float@box\z@
16652   \vboxL to \textheight{%
16653     \setkeys{Grot}{units=360}%
16654     \if@rot@twoside
16655     \else
16656       \let\R@@page\rot@LR
16657     \fi
16658     \ifthenelse{\isodd{\R@@page}}{%
16659       \if@rot@twoside
16660         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16661       \fi
16662       \vfill
16663       \@@line{%
16664         \hskip\rotFPtop
16665         \rotatebox{90}{\box\rot@float@box}%
16666         \hskip\rotFPbot
16667       }%
16668     }{%
16669       \if@rot@twoside
16670         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16671       \fi
16672       \@@line{%
16673         \hskip\rotFPbot
16674         \rotatebox{-90}{\box\rot@float@box}%
16675         \hskip\rotFPtop
16676       }%
16677       \vfill
16678     }%
16679     \rot@message{\the\rot@mess@toks}
16680   }%
16681   \end@float
16682 }
16683 \let\endsidewaysfigure\end@rotfloat
16684 \let\endsidewaysstable\end@rotfloat
16685 \def\end@rotdblfloat{%
16686   \end{minipage}\end{lrbox}%
16687   \stepcounter{r@tfl@t}%
16688   \rot@label{RF\ther@tfl@t}%

```




```

16689 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16690 \edef\@tempa{Adding sideways \@captype\space on page \R@@page\space}
16691 \rot@mess@toks\expandafter{\@tempa}
16692 \@tempdima\ht\rot@float@box
16693 \advance\@tempdima by \dp\rot@float@box
16694 \wd\rot@float@box\z@
16695 \ht\rot@float@box\z@
16696 \dp\rot@float@box\z@
16697 \vboxL to \textheight{%
16698   \setkeys{Grot}{units=360}%
16699   \if@rot@twoside
16700   \else
16701     \let\R@@page\rot@LR
16702   \fi
16703   \ifthenelse{\isodd{\R@@page}}{%
16704     \ifrot@messages
16705       \if@rot@twoside
16706       \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16707 \fi
16708   \fi
16709   \vfill
16710   \@@line{%
16711     \hskip\rotFPtop
16712     \rotatebox{90}{\box\rot@float@box}%
16713     \hskip\rotFPbot
16714   }%
16715   }{%
16716     \ifrot@messages
16717       \if@rot@twoside
16718       \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16719 \fi
16720   \fi%
16721   \@@line{%
16722     \hskip\rotFPbot
16723     \rotatebox{-90}{\box\rot@float@box}%
16724     \hskip\rotFPtop
16725   }%
16726   \vfill
16727   }%
16728   \rot@message{\the\rot@mess@toks}%
16729   }%
16730 \end@dblfloat
16731 }
16732 \def\turn#1{%
16733   \Grot@setangle{#1}%
16734   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16735 \def\endturn{%
16736   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16737   \unskip\color@endbox
16738   \Grot@x\z@

```



```

16739 \Grot@y\z@
16740 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16741 }
16742 \def\rotate#1{%
16743 \Grot@setangle{#1}%
16744 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16745 \def\endrotate{%
16746 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16747 \unskip\color@endbox
16748 \Grot@x\z@
16749 \Grot@y\z@
16750 \wd0\z@\dp0\z@\ht0\z@
16751 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16752 }
16753 \def\turnbox#1#2{%
16754 \Grot@setangle{#1}%
16755 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
16756 \Grot@x\z@\Grot@y\z@
16757 \wd0\z@\dp0\z@\ht0\z@
16758 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16759 }
16760 \def\sideways{%
16761 \Grot@setangle{90}%
16762 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16763 \def\endsideways{%
16764 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16765 \unskip\color@endbox
16766 \Grot@x\z@
16767 \Grot@y\z@
16768 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16769 }

```

105 File scrartcl-xetex-bidi.def

```

16770 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for
16771 \newcommand{\scr@saved@LTRfootnotetext}{}
16772 \newcommand{\scr@saved@RTLfootnotetext}{}
16773 \let\scr@saved@footnotetext\@footnotetext
16774 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16775 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16776 \renewcommand{\@footnotetext}[1]{%
16777 \scr@saved@footnotetext{#1}%
16778 \csname FN@mf@prepare\endcsname
16779 }
16780 \renewcommand{\@LTRfootnotetext}[1]{%
16781 \scr@saved@LTRfootnotetext{#1}%
16782 \csname FN@mf@prepare\endcsname
16783 }
16784 \renewcommand{\@RTLfootnotetext}[1]{%
16785 \scr@saved@RTLfootnotetext{#1}%

```



```

16786 \csname FN@mfb@prepare\endcsname
16787 }
16788 \renewcommand\deffootnote[4][]{%
16789 \long\def\@makefnmark##1{%
16790 \setlength{\@tempdimc}{#3}%
16791 \def\@tempa{#1}\ifx\@tempa\@empty
16792 \setpar{\@par
16793 \@tempdima = \hspace
16794 \addtolength{\@tempdima}{-#2}%
16795 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16796 \else
16797 \addtolength{\@tempdimc}{#2}%
16798 \addtolength{\@tempdimc}{-#1}%
16799 \setpar{\@par
16800 \@tempdima = \hspace
16801 \addtolength{\@tempdima}{-#1}%
16802 \@tempdimb = \hspace
16803 \addtolength{\@tempdimb}{-#2}%
16804 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempdimb}%
16805 }%
16806 \fi
16807 \par
16808 \parindent\@tempdimc\noindent
16809 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16810 }%
16811 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16812 }
16813 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16814 \renewcommand*\left@footnoterule{%
16815 \normalsize\ftn@rule@test@values
16816 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16817 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16818 {\usekomafont{footnoterule}{%
16819 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16820 \kern 2.6\p@}
16821 \renewcommand*\right@footnoterule{%
16822 \normalsize\ftn@rule@test@values
16823 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16824 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16825 {\usekomafont{footnoterule}{%
16826 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16827 \kern 2.6\p@}
16828 \renewcommand*\maketitle[1][1]{%
16829 \if@titlepage
16830 \begin{titlepage}
16831 \setcounter{page}{%
16832 #1%
16833 }%
16834 \let\footnotesize\small
16835 \let\right@footnoterule\relax

```



```

16836 \let\left@footnoterule\relax
16837 \let\textwidth@footnoterule\relax
16838 \let\footnote\thanks
16839 \let\LTRfootnote\LTRthanks
16840 \let\RTLfootnote\RTLthanks
16841 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16842 \let\@oldmakefnmark\@makefnmark
16843 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
16844 \ifx\@extratitle\@empty \else
16845 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16846 \thispagestyle{empty}%
16847 \fi
16848 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16849 \ifx\@titlehead\@empty \else
16850 \begin{minipage}[t]{\textwidth}%
16851 \@titlehead
16852 \end{minipage}\par
16853 \fi
16854 \null\vfill
16855 \begin{center}
16856 \ifx\@subject\@empty \else
16857 {\subject@font \@subject \par}%
16858 \vskip 3em
16859 \fi
16860 {\titlefont\huge \@title\par}%
16861 \vskip 1em
16862 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16863 \vskip 2em
16864 {\Large \lineskip 0.75em
16865 \begin{tabular}[t]{c}
16866 \@author
16867 \end{tabular}\par
16868 }%
16869 \vskip 1.5em
16870 {\Large \@date \par}%
16871 \vskip \z@ \@plus3fill
16872 {\Large \@publishers \par}%
16873 \vskip 3em
16874 \end{center}\par
16875 \@thanks
16876 \vfill\null
16877 \if@twoside\next@tpage
16878 \begin{minipage}[t]{\textwidth}
16879 \@uppertitleback
16880 \end{minipage}\par
16881 \vfill
16882 \begin{minipage}[b]{\textwidth}
16883 \@lowertitleback
16884 \end{minipage}
16885 \fi

```



```

16886     \ifx\@dedication\@empty \else
16887         \next@tpage\null\vfill
16888         {\centering \Large \@dedication \par}%
16889         \vskip \z@ \@plus3fill
16890         \if@twoside \next@tpage\cleardoubleemptypage \fi
16891     \fi
16892     \end{titlepage}
16893 \else
16894     \par
16895     \@tempcnta=
16896     #1%
16897     \relax\ifnum\@tempcnta=1\else
16898         \ClassWarning{KOMAClassName}{%
16899             Optional argument of \string\maketitle\space ignored
16900             at\MessageBreak
16901             notitlepage-mode%
16902         }%
16903     \fi
16904     \begingroup
16905         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16906         \let\@oldmakefnmark\@makefnmark
16907         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
16908         \if@twocolumn
16909             \ifnum \col@number=\@one
16910                 \@maketitle
16911             \else
16912                 \twocolumn[\@maketitle]%
16913             \fi
16914         \else
16915             \newpage
16916             \global\@topnum\z@
16917             \@maketitle
16918         \fi
16919         \thispagestyle{\titlepagestyle}\@thanks
16920     \endgroup
16921 \fi
16922 \setcounter{footnote}{0}%
16923 \let\thanks\relax
16924 \let\LTRthanks\relax
16925 \let\RTLthanks\relax
16926 \let\maketitle\relax
16927 \let\@maketitle\relax
16928 \global\let\@thanks\@empty
16929 \global\let\@author\@empty
16930 \global\let\@date\@empty
16931 \global\let\@title\@empty
16932 \global\let\@subtitle\@empty
16933 \global\let\@extratitle\@empty
16934 \global\let\@titlehead\@empty
16935 \global\let\@subject\@empty

```



```

16936 \global\let\@publishers\@empty
16937 \global\let\@uppertitleback\@empty
16938 \global\let\@lowertitleback\@empty
16939 \global\let\@dedication\@empty
16940 \global\let\author\relax
16941 \global\let\title\relax
16942 \global\let\extratitle\relax
16943 \global\let\titlehead\relax
16944 \global\let\subject\relax
16945 \global\let\publishers\relax
16946 \global\let\uppertitleback\relax
16947 \global\let\lowertitleback\relax
16948 \global\let\dedication\relax
16949 \global\let\date\relax
16950 \global\let\and\relax
16951 }%
16952 \renewcommand*{\@maketitle}{%
16953 \clearpage
16954 \let\footnote\thanks
16955 \let\LTRfootnote\LTRthanks
16956 \let\RTLfootnote\RTLthanks
16957 \ifx\@extratitle\@empty \else
16958 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16959 \fi
16960 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16961 \ifx\@titlehead\@empty \else
16962 \begin{minipage}[t]{\textwidth}
16963 \@titlehead
16964 \end{minipage}\par
16965 \fi
16966 \null
16967 \vskip 2em%
16968 \begin{center}%
16969 \ifx\@subject\@empty \else
16970 {\subject@font \@subject \par}
16971 \vskip 1.5em
16972 \fi
16973 {\titlefont\huge \@title \par}%
16974 \vskip .5em
16975 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16976 \vskip 1em
16977 {\Large
16978 \lineskip .5em%
16979 \begin{tabular}[t]{c}
16980 \@author
16981 \end{tabular}\par
16982 }%
16983 \vskip 1em%
16984 {\Large \@date \par}%
16985 \vskip \z@ \@plus 1em

```



```

16986 {\Large \@publishers \par}
16987 \ifx\@dedication\@empty \else
16988 \vskip 2em
16989 {\Large \@dedication \par}
16990 \fi
16991 \end{center}%
16992 \par
16993 \vskip 2em
16994 }%
16995 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16996 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
16997 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16998 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
16999 \renewcommand*{\thesubsubsection}{%
17000 \thesubsection\@SepMark\@arabic\c@subsubsection
17001 }
17002 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17003 \renewcommand*{\thesubparagraph}{%
17004 \theparagraph\@SepMark\@arabic\c@subparagraph
17005 }
17006 \renewenvironment{thebibliography}[1]{%
17007 \if@bib@break@
17008 \bib@beginhook
17009 \else
17010 \bib@heading
17011 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17012 \noindent\bibpreamble\par\nobreak
17013 \fi\fi
17014 \bib@beginhook
17015 \bib@before@hook
17016 \fi
17017 \renewcommand{\BreakBibliography}[1]{%
17018 \@bib@break
17019 \end{thebibliography}%
17020 \begingroup ##1\endgroup
17021 \begin{thebibliography}{#1}
17022 }%
17023 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17024 \bidi@thebibliography@font@hook%
17025 \list{%
17026 \@biblabel{\@arabic\c@enumiv}%
17027 }{%
17028 \settowidth\labelwidth{\@biblabel{#1}}%
17029 \leftmargin\labelwidth
17030 \advance\leftmargin\labelsep
17031 \@openbib@code
17032 \if@bib@break@
17033 \edef\@tempa{%
17034 \noexpand\usecounter{enumiv}%
17035 \noexpand\setcounter{enumiv}{\the\c@enumiv}%

```



```

17036      }\@tempa
17037      \no@bib@break
17038      \else
17039        \usecounter{enumiv}%
17040      \fi
17041      \let\p@enumiv\@empty
17042      \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17043    }%
17044    \sloppy\clubpenalty4000 \widowpenalty4000
17045    \sfcode`\.\@m
17046  }{%
17047    \if@bib@break@
17048      \def\@noitemerr{%
17049        \@latex@warning{%
17050          \string\BreakBibliography\space at begin of `thebibliography'
17051          environment\MessageBreak
17052          or following \string\BreakBibliography}%
17053      }%
17054    \else
17055      \def\@noitemerr{%
17056        \@latex@warning{%
17057          Empty `thebibliography' environment or
17058          \string\BreakBibliography\MessageBreak
17059          before end of `thebibliography' environment}%
17060      }%
17061    \fi
17062    \endlist
17063    \if@bib@break@
17064      \else
17065        \bib@after@hook
17066        \let\bib@before@hook\@empty
17067        \let\bib@after@hook\@empty
17068      \fi
17069      \bib@endhook
17070  }
17071  \renewcommand*\left@footnoterule{%
17072    \kern-3\p@
17073    \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17074    \hrule\@width.4\columnwidth
17075    \kern 2.6\p@}
17076  \renewcommand*\right@footnoterule{%
17077    \kern-3\p@
17078    \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17079    \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17080    \kern2.6\p@}
17081  \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17082  \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17083  \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17084  \renewcommand\marginline[1]{%
17085    \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}

```




```

17086 }
17087 \renewcommand{\@@makecaption}[3]{%
17088   \cap@margin
17089   \ifonelinecaptions
17090     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17091     \let\scr@tmp@footnotetext=\@footnotetext
17092     \let\@footnotetext=\@gobble
17093     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17094     \let\@LTRfootnotetext=\@gobble
17095     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17096     \let\@RTLfootnotetext=\@gobble
17097     \sbox\@tempboxa{%
17098       {\capfont{\strut\ignorespaces
17099         #1{\caplabelfont{#2\captionformat}}}%
17100        #3\unskip\strut}}%
17101     }%
17102     \let\@footnotetext=\scr@tmp@footnotetext
17103     \let\scr@tmp@footnotetext=\undefined
17104     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17105     \let\scr@tmp@LTRfootnotetext=\undefined
17106     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17107     \let\scr@tmp@RTLfootnotetext=\undefined
17108     \setcounter{footnote}{\@tempcntb}%
17109     \setcounter{mpfootnote}{\@tempcnta}%
17110   \else
17111     \sbox\@tempboxa{\hspace*{2\cap@width}}%
17112   \fi
17113   \begingroup%
17114     \setlength{\@tempdima}{\cap@width}%
17115     \ifdim \wd\@tempboxa >\@tempdima
17116       \hb@xt@\hsize{%
17117         \setbox\@tempboxa\vbox{\hsize=\cap@width
17118           \ifdofullc@p
17119             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17120               #1{\caplabelfont{#2\captionformat}}}}}%
17121             {#3\unskip\strut\par}}}%
17122         \else%
17123           \ifdim\cap@indent<\z@
17124             {\capfont{\strut\ignorespaces
17125               #1{\caplabelfont{#2\captionformat\par}}}%
17126               \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17127           \else%
17128             \if@capbreak
17129               {\capfont{\strut\ignorespaces
17130                 #1{\caplabelfont{#2\captionformat\par}}}%
17131                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17132             \else
17133               {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17134                 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17135                   {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%

```



```

17136         \fi
17137     \fi
17138     \fi
17139 }%
17140 \setlength{\@tempdima}{\ht\@tempboxa}%
17141 \addtolength{\@tempdima}{\dp\@tempboxa}%
17142 \addtolength{\@tempdima}{-\ht\strutbox}%
17143 \ht\@tempboxa\ht\strutbox
17144 \dp\@tempboxa\@tempdima
17145 \strut\cap@left
17146 \box\@tempboxa
17147 \cap@right\strut
17148 }%
17149 \else
17150     \global \@minipagefalse
17151     \sbox\@tempboxa{%
17152         {\capfont{\scr@smashdp{\strut\ignorespaces
17153             #1{\caplabelfont{#2\captionformat}}}}}%
17154         #3}}%
17155     }%
17156     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}
17157     \fi
17158 \endgroup
17159 }
17160 \renewcommand{\@makecaption}[2]{%
17161     \if@captionabove
17162         \vskip\belowcaptionskip
17163     \else
17164         \vskip\abovecaptionskip
17165     \fi
17166     \@makecaption\@firstofone{#1}{#2}%
17167     \if@captionabove
17168         \vskip\abovecaptionskip
17169     \else
17170         \vskip\belowcaptionskip
17171     \fi
17172 }
17173 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17174     \@ifpackageloaded{caption2}{\@komalongtablefalse
17175         \scr@caption@before@longtable@warning{caption2}%
17176     }{}%
17177     \if@komalongtable
17178         \renewcommand{\LT@makecaption}[3]{%
17179             \noalign{%
17180                 \if@captionabove
17181                     \vskip\belowcaptionskip
17182                 \else
17183                     \vskip\abovecaptionskip
17184                 \fi
17185             }%

```



```

17186 \LT@mcol\LT@cols c{%
17187 \hbox to\z@{\hss\parbox[t]{linewidth{%
17188 \@@makecaption{#1}{#2}{#3}%
17189 \endgraf
17190 \if@captionabove
17191 \vskip\abovecaptionskip
17192 \else
17193 \vskip\belowcaptionskip
17194 \fi
17195 }%
17196 \hss
17197 }%
17198 }%
17199 }%
17200 \renewcommand*{\scr@LT@array}{}%
17201 \let\scr@LT@array=\LT@array
17202 \renewcommand*{\LT@array}{%
17203 \let\scr@caption=\LT@caption
17204 \def\captionabove{\noalign{\global\@captionabovetrue}%
17205 \scr@caption}%
17206 \def\captionbelow{\noalign{\global\@captionabovetrue}%
17207 \scr@caption}%
17208 \if@tablecaptionabove
17209 \let\LT@caption=\captionabove
17210 \else
17211 \let\LT@caption=\captionbelow
17212 \fi
17213 \scr@LT@array
17214 }%
17215 \ClassInfo{\KOMAClassName}{%
17216 longtable captions redefined%
17217 }%
17218 \fi
17219 }
17220
17221 \CloneTOCEntryStyle{tocline}{part}
17222 \TOCEntryStyleStartInitCode{part}{%
17223 \expandafter\renewcommand%
17224 \csname scr@tso@#1@linefill\endcsname{\hfill}%
17225 \expandafter\renewcommand%
17226 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17227 \expandafter\renewcommand%
17228 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17229 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17230 \expandafter\renewcommand\expandafter*%
17231 \csname scr@tso@#1@beforekip\endcsname{2.25em \@plus\p}%
17232 }
17233
17234 \CloneTOCEntryStyle{tocline}{section}
17235 \TOCEntryStyleStartInitCode{section}{%

```



```

17236 \expandafter\renewcommand%
17237 \csname scr@tso@#1@linefill\endcsname{%
17238   \if@sectionentrywithdots
17239     \TOCLineLeaderFill\relax
17240   \else
17241     \hfill
17242   \fi
17243 }%
17244 % F^fcr die Eintr^e4ge die Schrift von Element sectionentry verwenden.
17245 \expandafter\renewcommand%
17246 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}}%
17247 \expandafter\renewcommand%
17248 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{se
17249 \expandafter\renewcommand\expandafter*%
17250 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17251 }
17252
17253 \CloneTOCEntryStyle{tocline}{subsection}
17254 \TOCEntryStyleStartInitCode{subsection}{%
17255   \expandafter\renewcommand%
17256   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17257 }
17258
17259 \CloneTOCEntryStyle{subsection}{default}
17260
17261 \DeclareSectionCommand[%
17262   style=part,%
17263   level=\z@,%
17264   tocstyle=part,%
17265   toclevel=\m@ne,%
17266   tocindent=\z@,%
17267   tocnumwidth=2em%
17268 ]{part}
17269 \DeclareSectionCommand[%
17270   style=section,%
17271   level=1,%
17272   indent=\z@,%
17273   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
17274   afterskip=2.3ex \@plus .2ex,%
17275   tocstyle=section,%
17276   tocindent=0pt,%
17277   tocnumwidth=1.5em%
17278 ]{section}
17279 \DeclareSectionCommand[%
17280   style=section,%
17281   level=2,%
17282   indent=\z@,%
17283   beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
17284   afterskip=1.5ex \@plus .2ex,%
17285   tocstyle=subsection,%

```



```

17286   tocindent=1.5em,%
17287   tocnumwidth=2.3em%
17288 ]{subsection}
17289 \DeclareSectionCommand[%
17290   style=section,%
17291   level=3,%
17292   indent=\z@,%
17293   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17294   afterskip=1.5ex \@plus .2ex,%
17295   tocstyle=subsection,%
17296   tocindent=3.8em,%
17297   tocnumwidth=3.2em%
17298 ]{subsubsection}
17299 \DeclareSectionCommand[%
17300   style=section,%
17301   level=4,%
17302   indent=\z@,%
17303   beforekip=3.25ex \@plus1ex \@minus .2ex,%
17304   afterskip=-1em,%
17305   tocstyle=subsection,%
17306   tocindent=7.0em,%
17307   tocnumwidth=4.1em%
17308 ]{paragraph}
17309 \DeclareSectionCommand[%
17310   style=section,%
17311   level=5,%
17312   indent=\scr@parindent,%
17313   beforekip=3.25ex \@plus1ex \@minus .2ex,%
17314   afterskip=-1em,%
17315   tocstyle=subsection,%
17316   tocindent=10em,%
17317   tocnumwidth=5em%
17318 ]{subparagraph}

```

106 File `scrbook-xetex-bidi.def`

```

17319 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for X
17320 \newcommand{\scr@saved@LTRfootnotetext}{}
17321 \newcommand{\scr@saved@RTLfootnotetext}{}
17322 \let\scr@saved@footnotetext\@footnotetext
17323 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17324 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17325 \renewcommand{\@footnotetext}[1]{%
17326   \scr@saved@footnotetext{#1}%
17327   \csname FN@mf@prepare\endcsname
17328 }
17329 \renewcommand{\@LTRfootnotetext}[1]{%
17330   \scr@saved@LTRfootnotetext{#1}%
17331   \csname FN@mf@prepare\endcsname
17332 }

```



```

17333 \renewcommand{\@RTLfootnotetext}[1]{%
17334   \scr@saved@RTLfootnotetext{#1}%
17335   \csname FN@mf@prepare\endcsname
17336 }
17337 \renewcommand\deffootnote[4][1]{%
17338   \long\def\@makefnmark##1{%
17339     \setlength{\@tempdimc}{#3}%
17340     \def\@tempa{#1}\ifx\@tempa\@empty
17341       \@setpar{\@par
17342         \@tempdima = \hsize
17343         \addtolength{\@tempdima}{-#2}%
17344         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17345     \else
17346       \addtolength{\@tempdimc}{#2}%
17347       \addtolength{\@tempdimc}{-#1}%
17348       \@setpar{\@par
17349         \@tempdima = \hsize
17350         \addtolength{\@tempdima}{-#1}%
17351         \@tempdimb = \hsize
17352         \addtolength{\@tempdimb}{-#2}%
17353         \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempdimb}%
17354     }%
17355     \fi
17356     \par
17357     \parindent\@tempdimc\noindent
17358     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17359   }%
17360   \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
17361 }
17362 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17363 \renewcommand*\left@footnoterule{%
17364   \normalsize\ftn@rule@test@values
17365   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
17366   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17367   {\usekomafont{footnoterule}{%
17368     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17369   \kern 2.6\p@}
17370 \renewcommand*\right@footnoterule{%
17371   \normalsize\ftn@rule@test@values
17372   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
17373   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17374   {\usekomafont{footnoterule}{%
17375     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17376     \kern 2.6\p@}
17377   \renewcommand*\maketitle[1][1]{%
17378     \if@titlepage
17379       \begin{titlepage}
17380         \setcounter{page}{%
17381           #1%
17382         }%

```



```

17383 \let\footnotesize\small
17384 \let\right@footnoterule\relax
17385 \let\left@footnoterule\relax
17386 \let\textwidth@footnoterule\relax
17387 \let\footnote\thanks
17388 \let\LTRfootnote\LTRthanks
17389 \let\RTLfootnote\RTLthanks
17390 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17391 \let\@oldmakefnmark\@makefnmark
17392 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
17393 \ifx\@extratitle\@empty \else
17394 \noindent\@extratitle\next@tpage\cleardoubleemptypage
17395 \thispagestyle{empty}%
17396 \fi
17397 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17398 \ifx\@titlehead\@empty \else
17399 \begin{minipage}[t]{\textwidth}%
17400 \@titlehead
17401 \end{minipage}\par
17402 \fi
17403 \null\vfill
17404 \begin{center}
17405 \ifx\@subject\@empty \else
17406 {\subject@font \@subject \par}%
17407 \vskip 3em
17408 \fi
17409 {\titlefont\huge \@title\par}%
17410 \vskip 1em
17411 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17412 \vskip 2em
17413 {\Large \lineskip 0.75em
17414 \begin{tabular}[t]{c}
17415 \@author
17416 \end{tabular}\par
17417 }%
17418 \vskip 1.5em
17419 {\Large \@date \par}%
17420 \vskip \z@ \@plus3fill
17421 {\Large \@publishers \par}%
17422 \vskip 3em
17423 \end{center}\par
17424 \@thanks
17425 \vfill\null
17426 \if@twoside\next@tpage
17427 \begin{minipage}[t]{\textwidth}
17428 \@uppertitleback
17429 \end{minipage}\par
17430 \vfill
17431 \begin{minipage}[b]{\textwidth}
17432 \@lowertitleback

```



```

17433         \end{minipage}
17434     \fi
17435     \ifx\@dedication\@empty \else
17436         \next@tpage\null\vfill
17437         {\centering \Large \@dedication \par}%
17438         \vskip \z@ \@plus3fill
17439         \if@twoside \next@tpage\cleardoubleemptypage \fi
17440     \fi
17441     \end{titlepage}
17442 \else
17443     \par
17444     \@tempcnta=%
17445     #1%
17446     \relax\ifnum\@tempcnta=1\else
17447         \ClassWarning{\KOMAClassName}{%
17448             Optional argument of \string\maketitle\space ignored
17449             at\MessageBreak
17450             notitlepage-mode%
17451         }%
17452     \fi
17453     \begingroup
17454         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17455         \let\@oldmakefnmark\@makefnmark
17456         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17457         \if@twocolumn
17458             \ifnum \col@number=\@ne
17459                 \@maketitle
17460             \else
17461                 \twocolumn[\@maketitle]%
17462             \fi
17463         \else
17464             \newpage
17465             \global\@topnum\z@
17466             \@maketitle
17467         \fi
17468         \thispagestyle{\titlepagestyle}\@thanks
17469     \endgroup
17470     \fi
17471     \setcounter{footnote}{0}%
17472     \let\thanks\relax
17473     \let\LTRthanks\relax
17474     \let\RTLthanks\relax
17475     \let\maketitle\relax
17476     \let\@maketitle\relax
17477     \global\let\@thanks\@empty
17478     \global\let\@author\@empty
17479     \global\let\@date\@empty
17480     \global\let\@title\@empty
17481     \global\let\@subtitle\@empty
17482     \global\let\@extratitle\@empty

```




```

17483 \global\let\@titlehead\@empty
17484 \global\let\@subject\@empty
17485 \global\let\@publishers\@empty
17486 \global\let\@uppertitleback\@empty
17487 \global\let\@lowertitleback\@empty
17488 \global\let\@dedication\@empty
17489 \global\let\author\relax
17490 \global\let\title\relax
17491 \global\let\extratitle\relax
17492 \global\let\titlehead\relax
17493 \global\let\subject\relax
17494 \global\let\publishers\relax
17495 \global\let\uppertitleback\relax
17496 \global\let\lowertitleback\relax
17497 \global\let\dedication\relax
17498 \global\let\date\relax
17499 \global\let\and\relax
17500 }%
17501 \renewcommand*{\@maketitle}{%
17502 \clearpage
17503 \let\footnote\thanks
17504 \let\LTRfootnote\LTRthanks
17505 \let\RTLfootnote\RTLthanks
17506 \ifx\@extratitle\@empty \else
17507 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17508 \fi
17509 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17510 \ifx\@titlehead\@empty \else
17511 \begin{minipage}[t]{\textwidth}
17512 \@titlehead
17513 \end{minipage}\par
17514 \fi
17515 \null
17516 \vskip 2em%
17517 \begin{center}%
17518 \ifx\@subject\@empty \else
17519 {\subject@font \@subject \par}
17520 \vskip 1.5em
17521 \fi
17522 {\titlefont\huge \@title \par}%
17523 \vskip .5em
17524 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17525 \vskip 1em
17526 {\Large
17527 \lineskip .5em%
17528 \begin{tabular}[t]{c}
17529 \@author
17530 \end{tabular}\par
17531 }%
17532 \vskip 1em%

```



```

17533 {\Large \@date \par}%
17534 \vskip \z@ \@plus 1em
17535 {\Large \@publishers \par}
17536 \ifx\@dedication\@empty \else
17537 \vskip 2em
17538 {\Large \@dedication \par}
17539 \fi
17540 \end{center}%
17541 \par
17542 \vskip 2em
17543 }%
17544 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17545 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17546 \renewcommand*\thesection{%
17547 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17548 \if@mainmatter\thechapter\@SepMark\fi
17549 \else
17550 \thechapter\@SepMark%
17551 \fi
17552 \@arabic\c@section
17553 }
17554 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
17555 \renewcommand*\thesubsubsection{%
17556 \thesubsection\@SepMark\@arabic\c@subsubsection
17557 }
17558 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17559 \renewcommand*\thesubparagraph{%
17560 \theparagraph\@SepMark\@arabic\c@subparagraph
17561 }
17562 \renewcommand*\thefigure{%
17563 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17564 \if@mainmatter\thechapter\@SepMark\fi
17565 \else
17566 \thechapter\@SepMark%
17567 \fi
17568 \@arabic\c@figure
17569 }
17570 \renewcommand*\thetable{%
17571 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17572 \if@mainmatter\thechapter\@SepMark\fi
17573 \else
17574 \thechapter\@SepMark%
17575 \fi
17576 \@arabic\c@table
17577 }
17578 \renewcommand*\theequation{%
17579 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17580 \if@mainmatter\thechapter\@SepMark\fi
17581 \else
17582 \thechapter\@SepMark%

```



```

17583 \fi
17584 \@arabic\c@equation
17585 }
17586 \renewenvironment{thebibliography}[1]{%
17587 \if@bib@break@
17588 \bib@beginhook
17589 \else
17590 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17591 \setchapterpreamble{\bibpreamble}%
17592 \fi\fi
17593 \bib@heading
17594 \bib@beginhook
17595 \bib@before@hook
17596 \fi
17597 \renewcommand{\BreakBibliography}[1]{%
17598 \@bib@break
17599 \end{thebibliography}%
17600 \begingroup ##1\endgroup
17601 \begin{thebibliography}{#1}
17602 }%
17603 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17604 \bidi@thebibliography@font@hook%
17605 \list{%
17606 \@biblabel{\@arabic\c@enumiv}%
17607 }{%
17608 \settowidth\labelwidth{\@biblabel{#1}}%
17609 \leftmargin\labelwidth
17610 \advance\leftmargin\labelsep
17611 \@openbib@code
17612 \if@bib@break@
17613 \edef\@tempa{%
17614 \noexpand\usecounter{enumiv}%
17615 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17616 } \@tempa
17617 \no@bib@break
17618 \else
17619 \usecounter{enumiv}%
17620 \fi
17621 \let\p@enumiv\@empty
17622 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17623 }%
17624 \sloppy\clubpenalty4000 \widowpenalty4000
17625 \sfcode`\.=\@m
17626 }{%
17627 \if@bib@break@
17628 \def\@noitemerr{%
17629 \@latex@warning{%
17630 \string\BreakBibliography\space at begin of `thebibliography'
17631 environment\MessageBreak
17632 or following \string\BreakBibliography}%

```



```

17633 }%
17634 \else
17635 \def\@noitemerr{%
17636 \@latex@warning{%
17637 Empty `thebibliography' environment or
17638 \string\BreakBibliography\MessageBreak
17639 before end of `thebibliography' environment}%
17640 }%
17641 \fi
17642 \endlist
17643 \if@bib@break@
17644 \else
17645 \bib@after@hook
17646 \let\bib@before@hook\@empty
17647 \let\bib@after@hook\@empty
17648 \fi
17649 \bib@endhook
17650 }
17651 \renewcommand*\left@footnoterule{%
17652 \kern-3\p@
17653 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17654 \hrule\@width.4\columnwidth
17655 \kern 2.6\p@}
17656 \renewcommand*\right@footnoterule{%
17657 \kern-3\p@
17658 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17659 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17660 \kern2.6\p@}
17661 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17662 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17663 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17664 \renewcommand\marginline[1]{%
17665 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17666 }
17667 \renewcommand{\@makecaption}[3]{%
17668 \cap@margin
17669 \ifonelinecaptions
17670 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17671 \let\scr@tmp@footnotetext=\@footnotetext
17672 \let\@footnotetext=\@gobble
17673 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17674 \let\@LTRfootnotetext=\@gobble
17675 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17676 \let\@RTLfootnotetext=\@gobble
17677 \sbox\@tempboxa{%
17678 {\capfont{\strut\ignorespaces
17679 #1{\caplabelfont{#2\captionformat}}}%
17680 #3\unskip\strut}}%
17681 }%
17682 \let\@footnotetext=\scr@tmp@footnotetext

```



```

17683 \let\scr@tmp@footnotetext=\undefined
17684 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17685 \let\scr@tmp@LTRfootnotetext=\undefined
17686 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17687 \let\scr@tmp@RTLfootnotetext=\undefined
17688 \setcounter{footnote}{\@tempcntb}%
17689 \setcounter{mpfootnote}{\@tempcnta}%
17690 \else
17691 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17692 \fi
17693 \begingroup%
17694 \setlength{\@tempdima}{\cap@width}%
17695 \ifdim \wd\@tempboxa >\@tempdima
17696 \hb@xt@\hsize{%
17697 \setbox\@tempboxa\vbox{\hsize=\cap@width
17698 \ifdoofullc@p
17699 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17700 #1{\caplabelfont{#2\captionformat}}}}}%
17701 {\#3\unskip\strut\par}}}%
17702 \else%
17703 \ifdim\cap@indent<\z@
17704 {\capfont{\strut\ignorespaces
17705 #1{\caplabelfont{#2\captionformat\par}}}%
17706 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
17707 \else%
17708 \if@capbreak
17709 {\capfont{\strut\ignorespaces
17710 #1{\caplabelfont{#2\captionformat\par}}}%
17711 \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
17712 \else
17713 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17714 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17715 {\caplabelfont{#2\captionformat}}}}{\#3\unskip\strut\par}}}%
17716 \fi
17717 \fi
17718 \fi
17719 }%
17720 \setlength{\@tempdima}{\ht\@tempboxa}%
17721 \addtolength{\@tempdima}{\dp\@tempboxa}%
17722 \addtolength{\@tempdima}{-\ht\strutbox}%
17723 \ht\@tempboxa\ht\strutbox
17724 \dp\@tempboxa\@tempdima
17725 \strut\cap@left
17726 \box\@tempboxa
17727 \cap@right\strut
17728 }%
17729 \else
17730 \global \@minipagefalse
17731 \sbox\@tempboxa{%
17732 {\capfont{\scr@smashdp{\strut\ignorespaces

```



```

17733         #1{{\caplabelfont{#2\captionformat}}}}%
17734         #3}}%
17735     }%
17736     {\capfont{\hb@xt@{hsize}{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\c
17737     \fi
17738 \endgroup
17739 }
17740 \renewcommand{\@makecaption}[2]{%
17741 \if@captionabove
17742 \vskip\belowcaptionskip
17743 \else
17744 \vskip\abovecaptionskip
17745 \fi
17746 \@makecaption\@firstofone{#1}{#2}%
17747 \if@captionabove
17748 \vskip\abovecaptionskip
17749 \else
17750 \vskip\belowcaptionskip
17751 \fi
17752 }
17753 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17754 \@ifpackageloaded{caption2}{\@komalongtablefalse
17755 \scr@caption@before@longtable@warning{caption2}%
17756 }{}%
17757 \if@komalongtable
17758 \renewcommand{\LT@makecaption}[3]{%
17759 \noalign{%
17760 \if@captionabove
17761 \vskip\belowcaptionskip
17762 \else
17763 \vskip\abovecaptionskip
17764 \fi
17765 }%
17766 \LT@mcol\LT@cols c{%
17767 \hbox to\z@{\hss\parbox[t]{linewidth{%
17768 \@makecaption{#1}{#2}{#3}%
17769 \endgraf
17770 \if@captionabove
17771 \vskip\abovecaptionskip
17772 \else
17773 \vskip\belowcaptionskip
17774 \fi
17775 }%
17776 \hss
17777 }%
17778 }%
17779 }%
17780 \renewcommand*{\scr@LT@array}{}%
17781 \let\scr@LT@array=\LT@array
17782 \renewcommand*{\LT@array}{%

```



```

17783 \let\scr@caption=\LT@caption
17784 \def\captionabove{\noalign{\global\@captionabovetrue}%
17785 \scr@caption}%
17786 \def\captionbelow{\noalign{\global\@captionabovetrue}%
17787 \scr@caption}%
17788 \if@tablecaptionabove
17789 \let\LT@caption=\captionabove
17790 \else
17791 \let\LT@caption=\captionbelow
17792 \fi
17793 \scr@LT@array
17794 }%
17795 \ClassInfo{\KOMAClassName}{%
17796 longtable captions redefined%
17797 }%
17798 \fi
17799 }
17800
17801 \CloneTOCEntryStyle{tocline}{part}
17802 \TOCEntryStyleStartInitCode{part}{%
17803 \expandafter\renewcommand%
17804 \csname scr@tso@#1@linefill\endcsname{\hfill}%
17805 \expandafter\renewcommand%
17806 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17807 \expandafter\renewcommand%
17808 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17809 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17810 \expandafter\renewcommand\expandafter*%
17811 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
17812 }
17813
17814 \CloneTOCEntryStyle{tocline}{chapter}
17815 \TOCEntryStyleStartInitCode{chapter}{%
17816 \expandafter\renewcommand%
17817 \csname scr@tso@#1@linefill\endcsname{%
17818 \if@chapterentrywithdots
17819 \TOCLineLeaderFill\relax
17820 \else
17821 \hfill
17822 \fi
17823 }%
17824 \expandafter\renewcommand%
17825 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17826 \expandafter\renewcommand%
17827 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17828 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17829 \expandafter\renewcommand\expandafter*%
17830 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
17831 }
17832

```



```

17833 \CloneTOCEntryStyle{tocline}{section}
17834 \TOCEntryStyleStartInitCode{section}{%
17835   \expandafter\renewcommand%
17836   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17837 }
17838
17839 \CloneTOCEntryStyle{section}{default}
17840
17841 \DeclareSectionCommand[%
17842   style=part,%
17843   level=\m@ne,%
17844   pagestyle=plain,%
17845   tocstyle=part,%
17846   toplevel=\m@ne,%
17847   tocindent=\z@,%
17848   tocnumwidth=2em%
17849 ]{part}
17850 \DeclareSectionCommand[%
17851   style=chapter,%
17852   level=\z@,%
17853   pagestyle=plain,%
17854   tocstyle=chapter,%
17855   tocindent=\z@,%
17856   tocnumwidth=1.5em%
17857 ]{chapter}
17858 \DeclareSectionCommand[%
17859   style=section,%
17860   level=1,%
17861   indent=\z@,%
17862   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17863   afterskip=2.3ex \@plus .2ex,%
17864   tocstyle=section,%
17865   tocindent=1.5em,%
17866   tocnumwidth=2.3em%
17867 ]{section}
17868 \DeclareSectionCommand[%
17869   style=section,%
17870   level=2,%
17871   indent=\z@,%
17872   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17873   afterskip=1.5ex \@plus .2ex,%
17874   tocstyle=section,%
17875   tocindent=3.8em,%
17876   tocnumwidth=3.2em%
17877 ]{subsection}
17878 \DeclareSectionCommand[%
17879   style=section,%
17880   level=3,%
17881   indent=\z@,%
17882   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%

```




```

17883 afterskip=1.5ex \@plus .2ex,%
17884 tocstyle=section,%
17885 tocindent=7.0em,%
17886 tocnumwidth=4.1em%
17887]{subsubsection}
17888\DeclareSectionCommand[%
17889 style=section,%
17890 level=4,%
17891 indent=\z@,%
17892 beforekip=3.25ex \@plus1ex \@minus.2ex,%
17893 afterskip=-1em,%
17894 tocstyle=section,%
17895 tocindent=10em,%
17896 tocnumwidth=5em%
17897]{paragraph}
17898\DeclareSectionCommand[%
17899 style=section,%
17900 level=5,%
17901 indent=\scr@parindent,%
17902 beforekip=3.25ex \@plus1ex \@minus.2ex,%
17903 afterskip=-1em,%
17904 tocstyle=section,%
17905 tocindent=12em,%
17906 tocnumwidth=6em%
17907]{subparagraph}
17908
17909

```

107 File scrlettr-xetex-bidi.def

```

17910\ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
17911\renewcommand\deffootnote[4][]{%
17912 \long\def\@makefnmark##1{%
17913 \edef\@tempa{#1}\ifx\@tempa\@empty
17914 \setpar{\@par
17915 \tempdima = \hsize
17916 \addtolength{\tempdima}{-#2}
17917 \if@RTL\parshape \@ne Opt \tempdima\else\parshape \@ne #2 \tempdima\fi}%
17918 \else
17919 \setpar{\@par
17920 \tempdima = \hsize
17921 \addtolength{\tempdima}{-#1}
17922 \tempdimb = \hsize
17923 \addtolength{\tempdimb}{-#2}
17924 \if@RTL\parshape \tw@ Opt \tempdima Opt \tempdimb\else\parshape \tw@ #1 \tempdima #
17925 \fi
17926 \par
17927 \parindent #3\noindent
17928 \hbox to \z@{\hss\@makefnmark}##1}
17929 \def\@makefnmark{\hbox{#4}}

```



```

17930 }
17931 \def\footnote[1em]{1.5em}{1em}
17932 {\textsuperscript{\thefootnotemark}}
17933 \def\left@footnoterule{\kern-1\p@
17934 \hrule width 0.4\columnwidth
17935 \kern .6\p@}
17936 \def\right@footnoterule{%
17937 \kern-1\p@
17938 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17939 \kern .6\p@}
17940 \def\@datefield{\@reffalse
17941 \ifx\yourref\@empty \else \@reftrue \fi
17942 \ifx\yourmail\@empty \else \@reftrue \fi
17943 \ifx\varmyref\@empty \else \@reftrue \fi
17944 \ifx\varcustomer\@empty \else \@reftrue \fi
17945 \ifx\varinvoice\@empty \else \@reftrue \fi
17946 \ifx\varrefitemi\@empty \else \@reftrue \fi
17947 \ifx\varrefitemii\@empty \else \@reftrue \fi
17948 \ifx\varrefitemiii\@empty \else \@reftrue \fi
17949 \vskip -\parskip
17950 \vskip \refvskip
17951 \if@ref
17952 \ifx\yourref\@empty \else
17953 \settowidth{\sc@temp}{\yourref}
17954 \setbox0\hbox{\scriptsize \sf \yourrefname}
17955 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17956 \parbox[t]{\sc@@temp}{\noindent \box0\par \yourref}\hfill
17957 \fi
17958 \ifx\yourmail\@empty \else
17959 \settowidth{\sc@temp}{\yourmail}
17960 \setbox0\hbox{\scriptsize \sf \yourmailname}
17961 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17962 \parbox[t]{\sc@@temp}{\noindent \box0\par \yourmail}\hfill
17963 \fi
17964 \ifx\varmyref\@empty \else
17965 \settowidth{\sc@temp}{\varmyref}
17966 \setbox0\hbox{\scriptsize \sf \myrefname}
17967 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17968 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
17969 \fi
17970 \ifx\varcustomer\@empty \else
17971 \settowidth{\sc@temp}{\varcustomer}
17972 \setbox0\hbox{\scriptsize \sf \customername}
17973 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17974 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
17975 \fi
17976 \ifx\varinvoice\@empty \else
17977 \settowidth{\sc@temp}{\varinvoice}
17978 \setbox0\hbox{\scriptsize \sf \invoicename}
17979 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi

```



```

17980 \parbox[t]{\sc@temp}{\noindent \box0\par \varinvoice}\hfill
17981 \fi
17982 \ifx\varrefitemi\@empty \else
17983 \settowidth{\sc@temp}{\varrefitemi}
17984 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
17985 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
17986 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemi}\hfill
17987 \fi
17988 \ifx\varrefitemii\@empty \else
17989 \settowidth{\sc@temp}{\varrefitemii}
17990 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
17991 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
17992 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemii}\hfill
17993 \fi
17994 \ifx\varrefitemiii\@empty \else
17995 \settowidth{\sc@temp}{\varrefitemiii}
17996 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
17997 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
17998 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemiii}\hfill
17999 \fi
18000 \ifx\@date\@empty \else
18001 \settowidth{\sc@temp}{\@date}
18002 \setbox0\hbox{\scriptsize \sf \datename}
18003 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18004 \parbox[t]{\sc@temp}{\noindent \box0\par \@date}
18005 \fi
18006 \par
18007 \vspace{2.5\baselineskip}
18008 \else
18009 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
18010 \vspace{1.5\baselineskip}
18011 \fi}
18012 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
18013 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
18014 -\sigindent \hspace{\sigindent}}%
18015 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}\\[\presigskip]
18016 \fromsig\strut}\par
18017 \vspace{1.5\baselineskip}}

```

108 File scrreprt-xetex-bidi.def

```

18018 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for
18019 \newcommand{\scr@saved@LTRfootnotetext}{}
18020 \newcommand{\scr@saved@RTLfootnotetext}{}
18021 \let\scr@saved@footnotetext\@footnotetext
18022 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
18023 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
18024 \renewcommand{\@footnotetext}[1]{%
18025 \scr@saved@footnotetext{#1}}%
18026 \csname FN@mf@prepare\endcsname

```



```

18027 }
18028 \renewcommand{\@LTRfootnotetext}[1]{%
18029   \scr@saved@LTRfootnotetext{#1}%
18030   \csname FN@mf@prepare\endcsname
18031 }
18032 \renewcommand{\@RTLfootnotetext}[1]{%
18033   \scr@saved@RTLfootnotetext{#1}%
18034   \csname FN@mf@prepare\endcsname
18035 }
18036 \renewcommand\deffootnote[4][ ]{%
18037   \long\def\@makefnmark##1{%
18038     \setlength{\@tempdimc}{#3}%
18039     \def\@tempa{#1}\ifx\@tempa\@empty
18040       \setpar{\@par
18041         \@tempdima = \hsize
18042         \addtolength{\@tempdima}{-#2}%
18043         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
18044     \else
18045       \addtolength{\@tempdimc}{#2}%
18046       \addtolength{\@tempdimc}{-#1}%
18047       \setpar{\@par
18048         \@tempdima = \hsize
18049         \addtolength{\@tempdima}{-#1}%
18050         \@tempdimb = \hsize
18051         \addtolength{\@tempdimb}{-#2}%
18052         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempdimb}%
18053     }%
18054     \fi
18055     \par
18056     \parindent\@tempdimc\noindent
18057     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18058   }%
18059   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
18060 }
18061 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
18062 \renewcommand*\left@footnoterule{%
18063   \normalsize\ftn@rule@test@values
18064   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18065   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18066   {\usekomafont{footnoterule}{%
18067     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
18068   \kern 2.6\p@}
18069 \renewcommand*\right@footnoterule{%
18070   \normalsize\ftn@rule@test@values
18071   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18072   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18073   {\usekomafont{footnoterule}{%
18074     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
18075     \kern 2.6\p@}
18076   \renewcommand*\maketitle[1][1]{%

```



```

18077 \if@titlepage
18078   \begin{titlepage}
18079     \setcounter{page}{%
18080       #1%
18081     }%
18082     \let\footnotesize\small
18083     \let\right@footnoterule\relax
18084     \let\left@footnoterule\relax
18085     \let\textwidth@footnoterule\relax
18086     \let\footnote\thanks
18087     \let\LTRfootnote\LTRthanks
18088     \let\RTLfootnote\RTLthanks
18089     \renewcommand*\thefootnote{\fnsymbol\c@footnote}%
18090     \let\@oldmakefnmark\@makefnmark
18091     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
18092     \ifx\@extratitle\@empty \else
18093       \noindent\@extratitle\next@tpage\cleardoubleemptypage
18094       \thispagestyle{empty}%
18095     \fi
18096     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
18097     \ifx\@titlehead\@empty \else
18098       \begin{minipage}[t]{\textwidth}%
18099         \@titlehead
18100       \end{minipage}\par
18101     \fi
18102     \null\vfill
18103     \begin{center}
18104       \ifx\@subject\@empty \else
18105         {\subject@font \@subject \par}%
18106         \vskip 3em
18107       \fi
18108       {\titlefont\huge \@title\par}%
18109       \vskip 1em
18110       {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18111       \vskip 2em
18112       {\Large \lineskip 0.75em
18113         \begin{tabular}[t]{c}
18114           \@author
18115         \end{tabular}\par
18116       }%
18117       \vskip 1.5em
18118       {\Large \@date \par}%
18119       \vskip \z@ \@plus3fill
18120       {\Large \@publishers \par}%
18121       \vskip 3em
18122     \end{center}\par
18123     \@thanks
18124     \vfill\null
18125     \if@twoside\next@tpage
18126     \begin{minipage}[t]{\textwidth}

```



```

18127         \@uppertitleback
18128     \end{minipage}\par
18129     \vfill
18130     \begin{minipage}[b]{\textwidth}
18131         \@lowertitleback
18132     \end{minipage}
18133 \fi
18134 \ifx\@dedication\@empty \else
18135     \next@tpage\null\vfill
18136     {\centering \Large \@dedication \par}%
18137     \vskip \z@ \@plus3fill
18138     \if@twoside \next@tpage\cleardoubleemptypage \fi
18139 \fi
18140 \end{titlepage}
18141 \else
18142     \par
18143     \@tempcnta=%
18144     #1%
18145     \relax\ifnum\@tempcnta=1\else
18146         \ClassWarning{\KOMAClassName}{%
18147             Optional argument of \string\maketitle\space ignored
18148             at\MessageBreak
18149             notitlepage-mode%
18150         }%
18151     \fi
18152     \begingroup
18153         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18154         \let\@oldmakefnmark\@makefnmark
18155         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
18156         \if@twocolumn
18157             \ifnum \col@number=\@one
18158                 \@maketitle
18159             \else
18160                 \twocolumn[\@maketitle]%
18161             \fi
18162         \else
18163             \newpage
18164             \global\@topnum\z@
18165             \@maketitle
18166         \fi
18167         \thispagestyle{\titlepagestyle}\@thanks
18168     \endgroup
18169 \fi
18170 \setcounter{footnote}{0}%
18171 \let\thanks\relax
18172 \let\LTRthanks\relax
18173 \let\RTLthanks\relax
18174 \let\maketitle\relax
18175 \let\@maketitle\relax
18176 \global\let\@thanks\@empty

```



```

18177 \global\let\@author\@empty
18178 \global\let\@date\@empty
18179 \global\let\@title\@empty
18180 \global\let\@subtitle\@empty
18181 \global\let\@extratitle\@empty
18182 \global\let\@titlehead\@empty
18183 \global\let\@subject\@empty
18184 \global\let\@publishers\@empty
18185 \global\let\@uppertitleback\@empty
18186 \global\let\@lowertitleback\@empty
18187 \global\let\@dedication\@empty
18188 \global\let\author\relax
18189 \global\let\title\relax
18190 \global\let\extratitle\relax
18191 \global\let\titlehead\relax
18192 \global\let\subject\relax
18193 \global\let\publishers\relax
18194 \global\let\uppertitleback\relax
18195 \global\let\lowertitleback\relax
18196 \global\let\dedication\relax
18197 \global\let\date\relax
18198 \global\let\and\relax
18199 }%
18200 \renewcommand*{\@maketitle}{%
18201   \clearpage
18202   \let\footnote\thanks
18203   \let\LTRfootnote\LTRthanks
18204   \let\RTLfootnote\RTLthanks
18205   \ifx\@extratitle\@empty \else
18206     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
18207   \fi
18208   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updatebaseline
18209   \ifx\@titlehead\@empty \else
18210     \begin{minipage}[t]{\textwidth}
18211       \@titlehead
18212     \end{minipage}\par
18213   \fi
18214   \null
18215   \vskip 2em%
18216   \begin{center}%
18217     \ifx\@subject\@empty \else
18218       {\subject@font \@subject \par}
18219       \vskip 1.5em
18220     \fi
18221     {\titlefont\huge \@title \par}%
18222     \vskip .5em
18223     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18224     \vskip 1em
18225     {\Large
18226       \lineskip .5em%

```



```

18227     \begin{tabular}[t]{c}
18228         \@author
18229     \end{tabular}\par
18230 }%
18231 \vskip 1em%
18232 {\Large \@date \par}%
18233 \vskip \z@ \@plus 1em
18234 {\Large \@publishers \par}
18235 \ifx\@dedication\@empty \else
18236     \vskip 2em
18237     {\Large \@dedication \par}
18238 \fi
18239 \end{center}%
18240 \par
18241 \vskip 2em
18242 }%
18243 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
18244 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
18245 \renewcommand*\thesection{%
18246     \thechapter\@SepMark%
18247     \@arabic\c@section
18248 }
18249 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
18250 \renewcommand*{\thesubsubsection}{%
18251     \thesubsection\@SepMark\@arabic\c@subsubsection
18252 }
18253 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18254 \renewcommand*{\thesubparagraph}{%
18255     \theparagraph\@SepMark\@arabic\c@subparagraph
18256 }
18257 \renewcommand*\thefigure{%
18258     \thechapter\@SepMark%
18259     \@arabic\c@figure
18260 }
18261 \renewcommand*\thetable{%
18262     \thechapter\@SepMark%
18263     \@arabic\c@table
18264 }
18265 \renewcommand*\theequation{%
18266     \thechapter\@SepMark%
18267     \@arabic\c@equation
18268 }
18269 \renewenvironment{thebibliography}[1]{%
18270     \if@bib@break@
18271         \bib@beginhook
18272     \else
18273         \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18274             \setchapterpreamble{\bibpreamble}%
18275         \fi\fi
18276         \bib@heading

```




```

18277 \bib@beginhook
18278 \bib@before@hook
18279 \fi
18280 \renewcommand{\BreakBibliography}[1]{%
18281 \@bib@break
18282 \end{thebibliography}%
18283 \begingroup ##1\endgroup
18284 \begin{thebibliography}{#1}
18285 }%
18286 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
18287 \bidi@thebibliography@font@hook%
18288 \list{%
18289 \@biblabel{\@arabic\c@enumiv}%
18290 }{%
18291 \settowidth\labelwidth{\@biblabel{#1}}%
18292 \leftmargin\labelwidth
18293 \advance\leftmargin\labelsep
18294 \@openbib@code
18295 \if@bib@break@
18296 \edef\@tempa{%
18297 \noexpand\usecounter{enumiv}%
18298 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18299 }\@tempa
18300 \no@bib@break
18301 \else
18302 \usecounter{enumiv}%
18303 \fi
18304 \let\p@enumiv\@empty
18305 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18306 }%
18307 \sloppy\clubpenalty4000 \widowpenalty4000
18308 \sfcode`\.=\@m
18309 }{%
18310 \if@bib@break@
18311 \def\@noitemerr{%
18312 \@latex@warning{%
18313 \string\BreakBibliography\space at begin of `thebibliography'
18314 environment\MessageBreak
18315 or following \string\BreakBibliography}%
18316 }%
18317 \else
18318 \def\@noitemerr{%
18319 \@latex@warning{%
18320 Empty `thebibliography' environment or
18321 \string\BreakBibliography\MessageBreak
18322 before end of `thebibliography' environment}%
18323 }%
18324 \fi
18325 \endlist
18326 \if@bib@break@

```



```

18327 \else
18328 \bib@after@hook
18329 \let\bib@before@hook\empty
18330 \let\bib@after@hook\empty
18331 \fi
18332 \bib@endhook
18333 }
18334 \renewcommand*\left@footnoterule{%
18335 \kern-3\p@
18336 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18337 \hrule\@width.4\columnwidth
18338 \kern 2.6\p@}
18339 \renewcommand*\right@footnoterule{%
18340 \kern-3\p@
18341 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18342 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18343 \kern2.6\p@}
18344 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
18345 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
18346 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
18347 \renewcommand\marginline[1]{%
18348 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
18349 }
18350 \renewcommand{\@@makecaption}[3]{%
18351 \cap@margin
18352 \ifonelinecaptions
18353 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18354 \let\scr@tmp@footnotetext=\@footnotetext
18355 \let\@footnotetext=\@gobble
18356 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18357 \let\@LTRfootnotetext=\@gobble
18358 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18359 \let\@RTLfootnotetext=\@gobble
18360 \sbox\@tempboxa{%
18361 {\capfont{\strut\ignorespaces
18362 #1{\caplabelfont{#2\captionformat}}}%
18363 #3\unskip\strut}}%
18364 }%
18365 \let\@footnotetext=\scr@tmp@footnotetext
18366 \let\scr@tmp@footnotetext=\undefined
18367 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18368 \let\scr@tmp@LTRfootnotetext=\undefined
18369 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
18370 \let\scr@tmp@RTLfootnotetext=\undefined
18371 \setcounter{footnote}{\@tempcntb}%
18372 \setcounter{mpfootnote}{\@tempcnta}%
18373 \else
18374 \sbox\@tempboxa{\hspace*{2\cap@width}}%
18375 \fi
18376 \begingroup%

```



```

18377 \setlength{\@tempdima}{\cap@width}%
18378 \ifdim \wd\@tempboxa >\@tempdima
18379 \hb@xt@\hsize{%
18380 \setbox\@tempboxa\vbox{\hsize=\cap@width
18381 \ifdofullc@p
18382 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
18383 #1{\caplabelfont{#2\captionformat}}}}}%
18384 {#3\unskip\strut\par}}}%
18385 \else%
18386 \ifdim\cap@indent<\z@
18387 {\capfont{\strut\ignorespaces
18388 #1{\caplabelfont{#2\captionformat\par}}}%
18389 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
18390 \else%
18391 \if@capbreak
18392 {\capfont{\strut\ignorespaces
18393 #1{\caplabelfont{#2\captionformat\par}}}%
18394 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
18395 \else
18396 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
18397 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18398 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
18399 \fi
18400 \fi
18401 \fi
18402 }%
18403 \setlength{\@tempdima}{\ht\@tempboxa}%
18404 \addtolength{\@tempdima}{\dp\@tempboxa}%
18405 \addtolength{\@tempdima}{-\ht\strutbox}%
18406 \ht\@tempboxa\ht\strutbox
18407 \dp\@tempboxa\@tempdima
18408 \strut\cap@left
18409 \box\@tempboxa
18410 \cap@right\strut
18411 }%
18412 \else
18413 \global \@minipagefalse
18414 \sbox\@tempboxa{%
18415 {\capfont{\scr@smashdp{\strut\ignorespaces
18416 #1{\caplabelfont{#2\captionformat}}}}}%
18417 #3}}%
18418 }%
18419 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
18420 \fi
18421 \endgroup
18422 }
18423 \renewcommand{\@makecaption}[2]{%
18424 \if@captionabove
18425 \vskip\belowcaptionskip
18426 \else

```



```

18427 \vskip\abovecaptionskip
18428 \fi
18429 \@makecaption\@firstofone{#1}{#2}%
18430 \if@captionabove
18431 \vskip\abovecaptionskip
18432 \else
18433 \vskip\belowcaptionskip
18434 \fi
18435 }
18436 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18437 \@ifpackageloaded{caption2}{\@komalongtablefalse
18438 \scr@caption@before@longtable@warning{caption2}%
18439 }{}%
18440 \if@komalongtable
18441 \renewcommand{\LT@makecaption}[3]{%
18442 \noalign{%
18443 \if@captionabove
18444 \vskip\belowcaptionskip
18445 \else
18446 \vskip\abovecaptionskip
18447 \fi
18448 }%
18449 \LT@mcol\LT@cols c{%
18450 \hbox to\z@{\hss\parbox[t]{\linewidth{%
18451 \@makecaption{#1}{#2}{#3}%
18452 \endgraf
18453 \if@captionabove
18454 \vskip\abovecaptionskip
18455 \else
18456 \vskip\belowcaptionskip
18457 \fi
18458 }%
18459 \hss
18460 }%
18461 }%
18462 }%
18463 \renewcommand*{\scr@LT@array}{}%
18464 \let\scr@LT@array=\LT@array
18465 \renewcommand*{\LT@array}{%
18466 \let\scr@caption=\LT@caption
18467 \def\captionabove{\noalign{\global\@captionabovetrue}%
18468 \scr@caption}%
18469 \def\captionbelow{\noalign{\global\@captionabovetrue}%
18470 \scr@caption}%
18471 \if@tablecaptionabove
18472 \let\LT@caption=\captionabove
18473 \else
18474 \let\LT@caption=\captionbelow
18475 \fi
18476 \scr@LT@array

```



```

18477 }%
18478 \ClassInfo{\KOMAClassName}{%
18479     longtable captions redefined%
18480 }%
18481 \fi
18482 }
18483
18484 \CloneTOCEntryStyle{tocline}{part}
18485 \TOCEntryStyleStartInitCode{part}{%
18486     \expandafter\renewcommand%
18487     \csname scr@tso@#1@linefill\endcsname{\hfill}%
18488     \expandafter\renewcommand%
18489     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18490     \expandafter\renewcommand%
18491     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18492         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18493     \expandafter\renewcommand\expandafter*%
18494     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
18495 }
18496
18497 \CloneTOCEntryStyle{tocline}{chapter}
18498 \TOCEntryStyleStartInitCode{chapter}{%
18499     \expandafter\renewcommand%
18500     \csname scr@tso@#1@linefill\endcsname{%
18501         \ifchapterentrywithdots
18502             \TOCLineLeaderFill\relax
18503         \else
18504             \hfill
18505         \fi
18506     }%
18507     \expandafter\renewcommand%
18508     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18509     \expandafter\renewcommand%
18510     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18511         \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18512     \expandafter\renewcommand\expandafter*%
18513     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18514 }
18515
18516 \CloneTOCEntryStyle{tocline}{section}
18517 \TOCEntryStyleStartInitCode{section}{%
18518     \expandafter\renewcommand%
18519     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18520 }
18521
18522 \CloneTOCEntryStyle{section}{default}
18523
18524 \DeclareSectionCommand[%
18525     style=part,%
18526     level=\m@ne,%

```



```

18527 pagestyle=plain,%
18528 tocstyle=part,%
18529 toplevel=\m@ne,%
18530 tocindent=\z@,%
18531 tocnumwidth=2em%
18532]{part}
18533\DeclareSectionCommand[%
18534 style=chapter,%
18535 level=\z@,%
18536 pagestyle=plain,%
18537 tocstyle=chapter,%
18538 tocindent=\z@,%
18539 tocnumwidth=1.5em%
18540]{chapter}
18541\DeclareSectionCommand[%
18542 style=section,%
18543 level=1,%
18544 indent=\z@,%
18545 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
18546 afterskip=2.3ex \@plus .2ex,%
18547 tocstyle=section,%
18548 tocindent=1.5em,%
18549 tocnumwidth=2.3em%
18550]{section}
18551\DeclareSectionCommand[%
18552 style=section,%
18553 level=2,%
18554 indent=\z@,%
18555 beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
18556 afterskip=1.5ex \@plus .2ex,%
18557 tocstyle=section,%
18558 tocindent=3.8em,%
18559 tocnumwidth=3.2em%
18560]{subsection}
18561\DeclareSectionCommand[%
18562 style=section,%
18563 level=3,%
18564 indent=\z@,%
18565 beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
18566 afterskip=1.5ex \@plus .2ex,%
18567 tocstyle=section,%
18568 tocindent=7.0em,%
18569 tocnumwidth=4.1em%
18570]{subsubsection}
18571\DeclareSectionCommand[%
18572 style=section,%
18573 level=4,%
18574 indent=\z@,%
18575 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
18576 afterskip=-1em,%

```



```

18577   tocstyle=section,%
18578   tocindent=10em,%
18579   tocnumwidth=5em%
18580 }{paragraph}
18581 \DeclareSectionCommand[%
18582   style=section,%
18583   level=5,%
18584   indent=\scr@parindent,%
18585   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
18586   afterskip=-1em,%
18587   tocstyle=section,%
18588   tocindent=12em,%
18589   tocnumwidth=6em%
18590 ]{subparagraph}
18591
18592

```

109 File sidecap-xetex-bidi.def

```

18593 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for
18594 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
18595   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
18596 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
18597 \renewcommand*{\SC@justify@caption}{\if@RTL%
18598 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\else%
18599   \isSC@ODD{\RaggedRight}{\RaggedLeft}}\fi}

```

110 File soul-xetex-bidi.def

```

18600 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
18601 \long\def\SOUL@start#1{%
18602   \let\bid@RTL@everypar\@empty
18603   \let\<\SOUL@lowerthan
18604   \let\>\empty
18605   \def\soulomit{\noexpand\soulomit}%
18606   \gdef\SOUL@eventuallyexhyphen##1{%
18607     \let\SOUL@soeventuallyskip\relax
18608     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
18609       \@minus\fontdimen4\font
18610     \SOUL@ignorespacesfalse
18611     \leavevmode
18612     \SOUL@preamble
18613     \SOUL@lasttoken={}%
18614     \SOUL@word={}%
18615     \SOUL@minus\z@
18616     \SOUL@comma\z@
18617     \SOUL@apo\z@
18618     \SOUL@grave\z@
18619     \SOUL@do{#1}%
18620     \SOUL@postamble

```



```

18621 }}
18622 \def\SOUL@ulunderline#1{%
18623   \setbox\z@\hbox{#1}%
18624   \dimen@=\wd\z@
18625   \dimen@i=\SOUL@uloverlap
18626   \advance\dimen@2\dimen@i
18627   \if@RTL
18628   \unhcopy\z@
18629   \llap{%
18630     \null
18631     \kern-\dimen@i
18632     \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18633   }%
18634   \else
18635   \rlap{%
18636     \null
18637     \kern-\dimen@i
18638     \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18639   }%
18640   \unhcopy\z@
18641   \fi
18642 }}
18643 \def\bidi@SOUL@ulleaders{%
18644   \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\relax
18645 }
18646 \def\SOUL@uleveryspace#1{%
18647   \if@RTL
18648   #1%
18649   \bidi@SOUL@ulleaders
18650   \hskip\spaceskip
18651   \else
18652   \SOUL@ulcolor{%
18653     #1%
18654     \SOUL@ulleaders
18655     \hskip\spaceskip
18656   }%
18657   \fi
18658   \null
18659 }

```

111 File stabular-xetex-bidi.def

```

18660 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
18661 \def\@stabular{%
18662   \leavevmode \bgroup \if@RTLtab\beginR \fi
18663   \let\@acol\@tabacol
18664   \let\@classz\@tabclassz
18665   \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18666 \def\endstabular{\crr\egroup\if@RTLtab\endR\egroup\fi
18667   \egroup \if@RTLtab\endR\fi\egroup}

```




```

18668 \expandafter \let \csname endstabular*\endcsname = \endstabular
18669 \def\@sarray[#1]#2{%
18670   \bgroup
18671   \setbox\@arstrutbox\hbox{%
18672     \vrule \@height\arraystretch\ht\strutbox
18673           \@depth\arraystretch \dp\strutbox
18674           \@width\z@}%
18675   \@mkpream{#2}%
18676   \edef\@preamble{%
18677     \ialign \noexpand\@halignto
18678       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18679   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18680   \let\tabularnewline\\%
18681   \let\@sharp##%
18682   \set@typeset@protect
18683   \lineskip\z@skip\baselineskip\z@skip
18684   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
18685   \@preamble}

```

112 File subfigure-xetex-bidi.def

```

18686 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18687 \AtBeginDocument{%
18688   \let\p@subfigure=\thefigure
18689   \let\p@subtable=\thetable%
18690 }

```

113 File tabs-xetex-bidi.def

```

18691 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for Xe]
18692 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18693
18694 \expandafter\let\csname endtabular*\endcsname=\endtabular
18695
18696 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
18697   \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18698   \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18699
18700 \def\@array[#1]#2{% remember global variables to allow recursion:
18701   \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
18702     \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18703   \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
18704   \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18705   \else \let\@tarlinesep\tablinesep \fi
18706   \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18707   \let\@seesize\relax \let\@rememsize\relax \@mkpream{#2}%
18708   \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
18709   \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
18710     \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
18711     \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep

```



```

18712 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18713     \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
18714 \let\protect\noexpand
18715 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18716 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
18717 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18718 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
18719 \bgroup \let\par\@empty
18720 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18721 \advance\extrarulesep.5\arrayrulewidth
18722 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
18723 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
18724 \@preamble}

```

114 File tabularx-xetex-bidi.def

```

18725 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
18726 \def\TX@endtabularx{%
18727     \expandafter\expandafter\expandafter
18728     \TX@find@endtabularxa\csname end\TX@\endcsname
18729     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
18730     \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}}%
18731     \let\verb\TX@verb
18732     \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
18733     \edef\TX@ckpt{\cl@ckpt}%
18734     \let\@elt\relax
18735     \TX@old@table\maxdimen
18736     \TX@col@width\TX@target
18737     \global\TX@cols\@ne
18738     \TX@typeout@
18739     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
18740     \TX@trial{\def\NC@rewriteX{%
18741         \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
18742     \loop
18743     \TX@arith
18744     \ifTX@
18745     \TX@trial{}%
18746     \repeat
18747     {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
18748     \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
18749     \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
18750     \csname tabular*\expandafter\endcsname\expandafter\TX@target
18751     \the\toks@
18752     \csname endtabular*\endcsname}%
18753     \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
18754     \ifnum0=`\fi}%
18755     \expandafter\expandafter\expandafter
18756     \TX@find@endtabularxbb
18757     \expandafter\end\expandafter{\TX@}%
18758     \endtabularx\TX@\endtabularx\TX@find@endtabularxb

```



```

18759 }
18760
18761 \def\TX@trial#1{%
18762   \setbox\@tempboxa\hbox{%
18763     #1\relax
18764   \let\@footnotetext\TX@trial@ftn
18765   \let\@LTRfootnotetext\TX@trial@ftn
18766   \let\@RTLfootnotetext\TX@trial@ftn
18767   \let\TX@vwarn\@empty
18768   \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
18769   \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
18770   \def\write{\begingroup
18771     \def\let{\afterassignment\endgroup\toks@}%
18772     \afterassignment\let\count@}%
18773     \hbadness\@M
18774     \hfuzz\maxdimen
18775     \let\hbadness\@tempcnta
18776     \let\hfuzz\@tempdima
18777     \expandafter\tabular\the\toks@
18778     \endtabular}%
18779   \TX@ckpt
18780   \TX@typeout@{\@spaces
18781     \expandafter\TX@align
18782     \the\wd\@tempboxa\space\space\space\space\space\@@
18783     \expandafter\TX@align
18784     \the\TX@col@width\space\space\space\space\space\@@
18785     \@spaces\the\TX@cols}}
18786
18787 \long\def\TX@LTRftntext#1{%
18788   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
18789     [\the\csname c@\@mpfn\endcsname]}}%
18790   \global\TX@ftn\expandafter{\@tempa{#1}}}%
18791 \long\def\TX@xLTRftntext[#1]#2{%
18792   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
18793
18794 \long\def\TX@RTLftntext#1{%
18795   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
18796     [\the\csname c@\@mpfn\endcsname]}}%
18797   \global\TX@ftn\expandafter{\@tempa{#1}}}%
18798 \long\def\TX@xRTLftntext[#1]#2{%
18799   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

115 File tabulary-xetex-bidi.def

```

18800 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
18801 \def\@testpach{\@chclass
18802   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
18803   \ifnum \@lastchclass=7 5 \else
18804   \ifnum \@lastchclass=8 \tw@ \else
18805   \ifnum \@lastchclass=9 \thr@@

```



```

18806 \else \z@
18807 \ifnum \@lastchclass = 10 \else
18808 \edef\@nextchar{\expandafter\string\@nextchar}%
18809 \@chnum
18810 \if \@nextchar c\z@ \else
18811 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
18812 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
18813 \if \@nextchar C7 \else
18814 \if \@nextchar L8 \else
18815 \if \@nextchar R9 \else
18816 \if \@nextchar J10 \else
18817 \z@ \@chclass
18818 \if\@nextchar |\@ne \else
18819 \if \@nextchar !6 \else
18820 \if \@nextchar @7 \else
18821 \if \@nextchar <8 \else
18822 \if \@nextchar >9 \else
18823 10
18824 \@chnum
18825 \if \@nextchar m\thr@@\else
18826 \if \@nextchar p4 \else
18827 \if \@nextchar b5 \else
18828 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
18829 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

116 File tc-xetex-bidi.def

```

18830 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
18831 \def\@cliptoboxdim#1{%
18832   \setbox#1=\hbox{%
18833     \Gin@defaultbp\WIDTH{\wd#1}%
18834     \Gin@defaultbp\DEPTH{\dp#1}%
18835     \@tempdima\ht#1%
18836     \advance\@tempdima\dp#1%
18837     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18838     \beginL\special{pdf:bcontent }%
18839     \special{%
18840       pdf:literal direct
18841       0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18842     }%
18843     \special{pdf:literal direct W }%
18844     \special{pdf:literal direct n }%
18845     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18846     \special{pdf:econtent }\endL%
18847   }%
18848 }

```

117 File tcolorbox-xetex-bidi.def

```

18849 \ProvidesFile{tcolorbox-xetex-bidi.def}[2017/08/15 v0.1 bidi adaptations for tcolorbox package]

```



```

18850 \let\endtcbox@lrbox=\endminipage
18851 \let\endtcbox@savebox=\endtcbox@lrbox
18852
18853 \bidi@patchcmd{\tcboxvbox}{%
18854   \let\@footnotetext\@mpfootnotetext%
18855 }{%
18856   \let\@footnotetext\@mpfootnotetext%
18857   \let\@LTRfootnotetext\@mpLTRfootnotetext%
18858   \let\@RTLfootnotetext\@mpRTLfootnotetext%
18859 }{}{}
18860
18861 \bidi@patchcmd{\endtcboxvbox}{%
18862   \footnoterule%
18863 }{%
18864   \bidi@mpfootnoterule%
18865 }{}{}

```

118 File titlesec-xetex-bidi.def

```

18866 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
18867 \renewcommand\filright{%
18868   \gdef\ttl@filleft##1{\hskip##1}%
18869   \gdef\ttl@filright##1{\hfill}%
18870   \let\\\@centercr
18871   \advance\rightskip\z@ \@plus 1fil
18872   \parfillskip\z@}
18873 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
18874   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
18875   \setlength\leftskip{#6}%
18876   \setlength\rightskip{#7}%
18877   \interlinepenalty\@M
18878   \ttl@change@centercr
18879   \ttl@begin@longest
18880   #1{\ifhmode\ttl@hmode@error\fi
18881     \ttl@glcmds
18882     \parindent\z@
18883     \leavevmode
18884     \begin@group
18885     \ifttl@label
18886       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
18887       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
18888       \llap{\box\z@}%
18889     \fi
18890     #4{#8}%
18891     \kern\z@\strut\@par
18892     \endgroup
18893     \nobreak\ttl@mid@longest#5\@par}%
18894   \ttl@end@longest}

```



119 File titletoc-xetex-bidi.def

```

18895 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
18896 \renewcommand\filright{%
18897   \gdef\ttl@filleft##1{\hskip##1}%
18898   \gdef\ttl@filright##1{\hfill}%
18899   \let\\@centercr
18900   \advance\rightskip\z@ \@plus 1fil
18901   \parfillskip\z@}
18902 \renewcommand\contentspush[1]{%
18903   \sbox\z@{#1}%
18904   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
18905   \aftergroup\ttl@b
18906   \leavevmode\llap{\box\z@}}
18907 \def\ttl@outnoblock#1#2#3{%
18908   \begingroup
18909   \ifnum\ttl@b>\ttl@a
18910     \nobreak
18911   \else\ifnum\ttl@b<\ttl@a
18912     \addpenalty{\@secpenalty}%
18913   \else
18914     \addpenalty{\z@}%
18915   \fi\fi
18916   \ttl@contentsstretch
18917   \nobreak
18918   \ifcase#1\relax\else\interlinepenalty\@M\fi
18919   \parindent\z@
18920   \ifx\@nil#2%
18921     \PackageError{titletoc}{Unimplemented}%
18922     {The optional argument is currently mandatory}%
18923   \else
18924     \if@RTL\setlength\rightskip{#2}\else
18925       \setlength\leftskip{#2}\fi%
18926   \fi
18927   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
18928   \let\contentsmargin\ttl@margin
18929   \def\ttl@makeline##1{##1}%
18930   #3%
18931   \addtolength{\parfillskip}{-\ttl@corr}%
18932   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
18933   \let\ttl@leaders\leaders}
18934 \renewcommand\ttl@margin[2][\z@]{%
18935   \def\ttl@corr{#1}%
18936   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
18937   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
18938   \def\@pnumwidth{#2}}
18939 \let\ttl@savel@part\l@part
18940 \def\l@part{\ttl@lselect{part}}
18941
18942 \let\ttl@savel@chapter\l@chapter

```



```
18943 \def\l@chapter{\ttl@lselect{chapter}}
```

120 File tocbibind-xetex-bidi.def

```
18944 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind package]
18945 \if@dotocbib
18946 \if@packageloaded{natbib}{\% natbib not loaded
18947 \renewcommand{\bibsection}{\t@cb@bchapsec}
18948 \renewenvironment{thebibliography}[1]{\%
18949 \bibsection
18950 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
18951 \renewenvironment{thebibitemlist}[1]{
18952 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18953 \bidi@thebibliography@font@hook%
18954 \list{\@biblabel{\@arabic\c@enumiv}}{\%
18955 {\settowidth\labelwidth{\@biblabel{#1}}%
18956 \leftmargin\labelwidth
18957 \advance\leftmargin\labelsep
18958 \@openbib@code
18959 \usecounter{enumiv}%
18960 \let\p@enumiv\@empty
18961 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
18962 \sloppy
18963 \clubpenalty4000
18964 \@clubpenalty \clubpenalty
18965 \widowpenalty4000%
18966 \sfcode`\.\@m}
18967 {\def\@noitemerr
18968 {\@latex@warning{Empty `thebibliography' environment}}}%
18969 \endlist}
18970
18971 \if@packagewith{chapterbib}{sectionbib}%
18972 {\renewcommand{\sectionbib}[2]{}}%
18973 {}
18974
18975 \fi
18976 \if@inltxdoc\else
18977 \renewenvironment{theindex}%
18978 {\if@twocolumn
18979 \@restonecolfalse
18980 \else
18981 \@restonecoltrue
18982 \fi
18983 \if@bibchapter
18984 \if@donumindex
18985 \refstepcounter{chapter}
18986 \twocolumn[\vspace*{2\topskip}%
18987 \@makechapterhead{\indexname}}%
18988 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
18989 \chaptermark{\indexname}
```



```

18990         \else
18991             \if@dotocind
18992                 \twocolumn[\vspace*{2\topskip}%
18993                     \@makeschapterhead{\indexname}]]%
18994                 \prw@mkboth{\indexname}
18995                 \addcontentsline{toc}{chapter}{\indexname}
18996             \else
18997                 \twocolumn[\vspace*{2\topskip}%
18998                     \@makeschapterhead{\indexname}]]%
18999                 \prw@mkboth{\indexname}
19000             \fi
19001         \fi
19002     \else
19003         \if@donumindex
19004             \twocolumn[\vspace*{-1.5\topskip}%
19005                 \@nameuse{\@tocextra}{\indexname}]]%
19006             \csname \@tocextra mark\endcsname{\indexname}
19007         \else
19008             \if@dotocind
19009                 \twocolumn[\vspace*{-1.5\topskip}%
19010                     \toc@headstar{\@tocextra}{\indexname}]]%
19011                 \prw@mkboth{\indexname}
19012                 \addcontentsline{toc}{\@tocextra}{\indexname}
19013             \else
19014                 \twocolumn[\vspace*{-1.5\topskip}%
19015                     \toc@headstar{\@tocextra}{\indexname}]]%
19016                 \prw@mkboth{\indexname}
19017             \fi
19018         \fi
19019     \fi
19020     \thispagestyle{plain}\parindent\z@
19021     \parskip\z@ \@plus .3\p@ \relax
19022     \let\item\@idxitem}
19023     {\if@restonecol\onecolumn\else\clearpage\fi}
19024 \fi

```

121 File tocloft-xetex-bidi.def

```

19025 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for
19026 \let\cftdot\@SepMark
19027 \if@cfthaspart
19028 \renewcommand*{\l@part}[2]{
19029     \cftdopartfalse
19030     \ifnum \c@tocdepth >-2\relax
19031         \if@cfthaschapter
19032             \cftdoparttrue
19033         \fi
19034         \ifnum \c@tocdepth >\m@ne
19035             \if@cfthaschapter\else
19036                 \cftdoparttrue

```




```

19037     \fi
19038   \fi
19039 \fi
19040 \if@cftdopart
19041   \if@cfthaschapter
19042     \addpenalty{-\@highpenalty}
19043   \else
19044     \addpenalty\@secpenalty
19045   \fi
19046   \addvspace{\cftbeforepartskip}
19047   \begingroup
19048     {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
19049     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19050     \parfillskip -\if@RTL\leftskip\else\righskip\fi
19051     \parindent \cftpartindent\relax\@afterindenttrue
19052     \interlinepenalty\@M
19053     \leavevmode
19054     \@tempdima \cftpartnumwidth\relax
19055     \let\@cftbsnum \cftpartpresnum
19056     \let\@cftasnum \cftpartaftersnum
19057     \let\@cftasnumb \cftpartaftersnumb
19058     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19059     {\cftpartfont \cftpartpresnum #1}
19060     \cftpartfillnum{#2}}
19061   \nobreak
19062   \if@cfthaschapter
19063     \global\@nobreaktrue
19064     \everypar{\global\@nobreakfalse\everypar{}}
19065   \else
19066     \if@compatibility
19067       \global\@nobreaktrue
19068       \everypar{\global\@nobreakfalse\everypar{}}
19069     \fi
19070   \fi
19071 \endgroup
19072 \fi}
19073 \fi
19074 \if@cfthaschapter
19075 \renewcommand*{\l@chapter}[2]{
19076   \ifnum \c@tocdepth >\m@ne
19077     \addpenalty{-\@highpenalty}
19078     \vskip \cftbeforechapskip
19079     {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19080     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19081     \parfillskip -\if@RTL\leftskip\else\righskip\fi
19082     \parindent \cftchapindent\relax\@afterindenttrue
19083     \interlinepenalty\@M
19084     \leavevmode
19085     \@tempdima \cftchapnumwidth\relax
19086     \let\@cftbsnum \cftchappresnum

```



```

19087 \let\@cftasnum \cftchapaftersnum
19088 \let\@cftasnumb \cftchapaftersnumb
19089 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
19090 {\cftchapfont #1}\nobreak
19091 \cftchapfillnum{#2}}
19092 \fi}
19093 \fi
19094 \renewcommand*{\l@section}[2]{%
19095 \ifnum \c@tocdepth >\z@
19096 \if@cfthaschapter
19097 \vskip \cftbeforesecskip
19098 \else
19099 \addpenalty\@secpenalty
19100 \addvspace{\cftbeforesecskip}
19101 \fi
19102 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
19103 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19104 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19105 \parindent \cftsecindent\relax\@afterindenttrue
19106 \interlinepenalty\@M
19107 \leavevmode
19108 \@tempdima \cftsecnumwidth\relax
19109 \let\@cftbsnum \cftsecpresnum
19110 \let\@cftasnum \cftsecaftersnum
19111 \let\@cftasnumb \cftsecaftersnumb
19112 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
19113 {\cftsecfont #1}\nobreak
19114 \cftsecfillnum{#2}}
19115 \fi}
19116 \renewcommand*{\l@subsection}[2]{%
19117 \ifnum \c@tocdepth >\@ne
19118 \vskip \cftbeforesubsecskip
19119 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
19120 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19121 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19122 \parindent \cftsubsecindent\relax\@afterindenttrue
19123 \interlinepenalty\@M
19124 \leavevmode
19125 \@tempdima \cftsubsecnumwidth\relax
19126 \let\@cftbsnum \cftsubsecpresnum
19127 \let\@cftasnum \cftsubsecaftersnum
19128 \let\@cftasnumb \cftsubsecaftersnumb
19129 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
19130 {\cftsubsecfont #1}\nobreak
19131 \cftsubsecfillnum{#2}}
19132 \fi}
19133 \renewcommand*{\l@subsubsection}[2]{%
19134 \ifnum \c@tocdepth >\tw@
19135 \vskip \cftbeforesubsubsecskip
19136 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax

```



```

19137 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19138 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19139 \parindent \cftsubsubsecindent\relax\@afterindenttrue
19140 \interlinepenalty\@M
19141 \leavevmode
19142 \@tempdima \cftsubsubsecnumwidth\relax
19143 \let\@cftbsnum \cftsubsubsecpresnum
19144 \let\@cftasnum \cftsubsubsecaftersnum
19145 \let\@cftasnumb \cftsubsubsecaftersnumb
19146 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
19147 {\cftsubsubsecfont #1}\nobreak
19148 \cftsubsubsecfillnum{#2}}
19149 \fi}
19150 \renewcommand*{\l@paragraph}[2]{%
19151 \ifnum \c@tocdepth >3\relax
19152 \vskip \cftbeforeparaskip
19153 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
19154 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19155 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19156 \parindent \cftparaindent\relax\@afterindenttrue
19157 \interlinepenalty\@M
19158 \leavevmode
19159 \@tempdima \cftparanumwidth\relax
19160 \let\@cftbsnum \cftparapresnum
19161 \let\@cftasnum \cftparaaftersnum
19162 \let\@cftasnumb \cftparaaftersnumb
19163 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
19164 {\cftparafont #1}\nobreak
19165 \cftparafillnum{#2}}
19166 \fi}
19167 \renewcommand*{\l@subparagraph}[2]{%
19168 \ifnum \c@tocdepth >4\relax
19169 \vskip \cftbeforesubparaskip
19170 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
19171 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19172 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19173 \parindent \cftsubparaindent\relax\@afterindenttrue
19174 \interlinepenalty\@M
19175 \leavevmode
19176 \@tempdima \cftsubparanumwidth\relax
19177 \let\@cftbsnum \cftsubparapresnum
19178 \let\@cftasnum \cftsubparaaftersnum
19179 \let\@cftasnumb \cftsubparaaftersnumb
19180 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
19181 {\cftsubparafont #1}\nobreak
19182 \cftsubparafillnum{#2}}
19183 \fi}
19184 \renewcommand*{\l@figure}[2]{%
19185 \ifnum \c@lofdepth >\z@
19186 \vskip \cftbeforefigskip

```



```

19187 {\if@RTL\rightrightskip\else\leftskip\fi \cftfigindent\relax
19188 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19189 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19190 \parindent \cftfigindent\relax\@afterindenttrue
19191 \interlinepenalty\@M
19192 \leavevmode
19193 \@tempdima \cftfignumwidth\relax
19194 \let\@cftbsnum \cftfigpresnum
19195 \let\@cftasnum \cftfigaftersnum
19196 \let\@cftasnumb \cftfigaftersnumb
19197 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip\else\leftskip\fi
19198 {\cftfigfont #1}\nobreak
19199 \cftfigfillnum{#2}}
19200 \fi
19201 }
19202 \renewcommand*{\l@table}[2]{%
19203 \ifnum\c@lotdepth > \z@
19204 \vskip \cftbeforetabskip
19205 {\if@RTL\rightrightskip\else\leftskip\fi \cfttabindent\relax
19206 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19207 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19208 \parindent \cfttabindent\relax\@afterindenttrue
19209 \interlinepenalty\@M
19210 \leavevmode
19211 \@tempdima \cfttabnumwidth\relax
19212 \let\@cftbsnum \cfttabpresnum
19213 \let\@cftasnum \cfttabaftersnum
19214 \let\@cftasnumb \cfttabaftersnumb
19215 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip\else\leftskip\fi
19216 {\cfttabfont #1}\nobreak
19217 \cfttabfillnum{#2}}
19218 \fi
19219 }
19220 \renewcommand{\@cftl@subfig}{%
19221 \renewcommand*{\l@subfigure}[2]{%
19222 \ifnum \c@lofdepth > \toclevel@subfigure
19223 \vskip \cftbeforesubfigskip
19224 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubfigindent\relax
19225 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19226 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19227 \parindent \cftsubfigindent\relax\@afterindenttrue
19228 \interlinepenalty\@M
19229 \leavevmode
19230 \@tempdima \cftsubfignumwidth\relax
19231 \let\@cftbsnum \cftsubfigpresnum
19232 \let\@cftasnum \cftsubfigaftersnum
19233 \let\@cftasnumb \cftsubfigaftersnumb
19234 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip\else\leftskip\fi
19235 {\cftsubfigfont ##1}\nobreak
19236 \cftsubfigfillnum{##2}}

```



```

19237 \fi
19238 }
19239 }
19240 \renewcommand{\@cftl@subtab}{
19241 \renewcommand*{\l@subtable}[2]{%
19242 \ifnum \c@lotdepth > \toclevel@subtable
19243 \vskip \cftbeforesubtabskip
19244 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
19245 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19246 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19247 \parindent \cftsubtabindent\relax\@afterindenttrue
19248 \interlinepenalty\@M
19249 \leavevmode
19250 \@tempdima \cftsubtabnumwidth\relax
19251 \let\@cftbsnum \cftsubtabpresnum
19252 \let\@cftasnum \cftsubtabaftersnum
19253 \let\@cftasnumb \cftsubtabaftersnumb
19254 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19255 {\cftsubtabfont ##1}\nobreak
19256 \cftsubtabfillnum{##2}}
19257 \fi
19258 }
19259 }
19260 \renewcommand{\newlistentry}[4][\@empty]{%
19261 \@ifundefined{c@#2}{% check & set the counter
19262 \ifx \@empty#1\relax
19263 \newcounter{#2}
19264 \else
19265 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
19266 \#1 has no counter for use as a `within'}
19267 \newcounter{#2}}%
19268 {\newcounter{#2}[#1}%
19269 \expandafter\edef\csname the#2\endcsname{%
19270 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
19271 \fi
19272 \setcounter{#2}{0}
19273 }
19274 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
19275
19276 \@namedef{l@#2}##1##2{%
19277 \ifnum \@nameuse{c@#3depth} > #4\relax
19278 \vskip \@nameuse{cftbefore#2skip}
19279 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
19280 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19281 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19282 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
19283 \interlinepenalty\@M
19284 \leavevmode
19285 \@tempdima \@nameuse{cft#2numwidth}\relax
19286 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname

```



```

19287 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
19288 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
19289 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righ
19290 {\@nameuse{cft#2font}##1}\nobreak
19291 \@nameuse{cft#2fillnum}{##2}}
19292 \fi
19293 } % end of \l@#2
19294
19295 \expandafter\newlength\csname cftbefore#2skip\endcsname
19296 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
19297 \expandafter\newlength\csname cft#2indent\endcsname
19298 \expandafter\newlength\csname cft#2numwidth\endcsname
19299 \ifcase #4\relax % 0
19300 \setlength{\@nameuse{cft#2indent}}{0em}
19301 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
19302 \or % 1
19303 \setlength{\@nameuse{cft#2indent}}{1.5em}
19304 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
19305 \or % 2
19306 \setlength{\@nameuse{cft#2indent}}{3.8em}
19307 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
19308 \or % 3
19309 \setlength{\@nameuse{cft#2indent}}{7.0em}
19310 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19311 \else % anything else
19312 \setlength{\@nameuse{cft#2indent}}{10.0em}
19313 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19314 \fi
19315 \@namedef{cft#2font}{\normalfont}
19316 \@namedef{cft#2presnum}{}
19317 \@namedef{cft#2aftersnum}{}
19318 \@namedef{cft#2aftersnumb}{}
19319 \@namedef{cft#2dotsep}{\cftdotsep}
19320 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
19321 \@namedef{cft#2pagefont}{\normalfont}
19322 \@namedef{cft#2afterpnum}{}
19323 \@namedef{toclevel@#2}{#4}
19324 \@namedef{cft#2fillnum}##1{%
19325 {\@nameuse{cft#2leader}}\nobreak
19326 \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
19327 } % end \newlistentry
19328 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
19329 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19330 \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
19331 \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
19332 \textit{#1}\protect\par}}}

```

122 File tocbasic-xetex-bidi.def

```

19333 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package 1

```



```

19334 \bidi@undef\scr@dte@def@l@undottedtocline
19335 \bidi@undef\scr@dte@undottedtocline@init
19336 \DeclareTOCEntryStyle{undottedtocline}{%
19337   \DefineTOCEntryLengthOption{indent}%
19338     {scr@tso@}{@indent}{entry indent}%
19339   \DefineTOCEntryLengthOption{numwidth}%
19340     {scr@tso@}{@numwidth}{entry number width}%
19341   \@ifundefined{#1tocdepth}{%
19342     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19343       \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19344         \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19345           \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19346             \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19347               \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19348                 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19349                   \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19350                     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19351                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
19352                         \csname #1numdepth\endcsname
19353                     }%
19354                   }%
19355                 }%
19356               }%
19357             }%
19358           }%
19359         }%
19360       }%
19361     }%
19362   }{}%
19363   \@ifundefined{scr@tso@#1@indent}{%
19364     \@ifundefined{scr@#1@tocindent}{%
19365       \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19366         \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19367           \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19368             \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19369               \scr@ifundefinedorrelax{l@chapter}{%
19370                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
19371                   \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19372                     \ifstr{#1}{subsubsection}{%
19373                       \@namedef{scr@tso@#1@indent}{3.8em}%
19374                     }{%
19375                       \ifstr{#1}{paragraph}{%
19376                         \@namedef{scr@tso@#1@indent}{7em}%
19377                       }{%
19378                         \ifstr{#1}{subparagraph}{%
19379                           \@namedef{scr@tso@#1@indent}{10em}%
19380                         }{%
19381                           }%
19382                         }%
19383                       }%

```



```

19384         }%
19385     }%
19386 }{%
19387     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19388         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19389             \ifstr{#1}{subsubsection}{%
19390                 \@namedef{scr@tso@#1@indent}{7.0em}%
19391             }{%
19392                 \ifstr{#1}{paragraph}{%
19393                     \@namedef{scr@tso@#1@indent}{10em}%
19394                 }{%
19395                     \ifstr{#1}{subparagraph}{%
19396                         \@namedef{scr@tso@#1@indent}{12em}%
19397                     }{%
19398                         }%
19399                     }%
19400                 }%
19401             }%
19402         }%
19403     }%
19404 }%
19405 }%
19406 }%
19407 }%
19408 }{%
19409     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19410 }%
19411 }{}%
19412 \@ifundefined{scr@tso@#1@numwidth}{%
19413     \@ifundefined{scr@#1@tocnumwidth}{%
19414         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19415             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19416                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19417                     \scr@ifundefinedorrelax{chapter}{%
19418                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19419                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19420                                 \ifstr{#1}{subsubsection}{%
19421                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
19422                                 }{%
19423                                     \ifstr{#1}{paragraph}{%
19424                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
19425                                     }{%
19426                                         \ifstr{#1}{subparagraph}{%
19427                                             \@namedef{scr@tso@#1@numwidth}{5m}%
19428                                         }{%
19429                                             }%
19430                                         }%
19431                                     }%
19432                                 }%
19433                             }%

```




```

19434      }{%
19435      \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19436      \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19437      \ifstr{#1}{subsubsection}{%
19438      \@namedef{scr@tso@#1@numwidth}{3.1em}%
19439      }{%
19440      \ifstr{#1}{paragraph}{%
19441      \@namedef{scr@tso@#1@numwidth}{5em}%
19442      }{%
19443      \ifstr{#1}{subparagraph}{%
19444      \@namedef{scr@tso@#1@numwidth}{6em}%
19445      }{%
19446      }%
19447      }%
19448      }%
19449      }%
19450      }%
19451      }%
19452      }%
19453      }%
19454      }%
19455      }{%
19456      \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19457      }%
19458      }{}%
19459      }]{%
19460      \ifnum \c@tocdepth > \numexpr \@nameuse{#1tocdepth} - \one \relax
19461      \ifnum \@nameuse{#1tocdepth} < \one
19462      \scr@ifundefinedorrelax{chapter}{%
19463      \addpenalty\@secpenalty
19464      \addvspace{1.0em \@plus\p@}%
19465      }{%
19466      \addpenalty{-\@highpenalty}%
19467      \vskip 1.0em \@plus\p@
19468      }%
19469      \else
19470      \addpenalty\@secpenalty
19471      \addvspace{1.0em \@plus\p@}%
19472      \fi
19473      \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19474      \begingroup
19475      \parindent \z@ \bidi@rightskip \@pnumwidth
19476      \parfillskip -\@pnumwidth
19477      \leavevmode
19478      \bfseries
19479      \advance\bidi@leftskip\@tempdima
19480      \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19481      \hskip -\dimexpr \bidi@leftskip - \@nameuse{scr@tso@#1@indent} \relax
19482      ##1%
19483      \nobreak

```



```

19484      \hfil \nobreak\hb@xt@{\pnumwidth{\hss ##2}}%
19485      \par
19486      \penalty\@highpenalty
19487      \endgroup
19488      \fi
19489  }
19490
19491  \bidi@undef\scr@dte@def@l@largetocline
19492  \bidi@undef\scr@dte@largetocline@init
19493  \DeclareTOCEntryStyle{largetocline}[{%
19494    \DefineTOCEntryLengthOption{indent}%
19495    {scr@tso@}{@indent}{entry indent}%
19496    \@ifundefined{#1tocdepth}{%
19497      \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19498        \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19499          \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19500            \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19501              \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19502                \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19503                  \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19504                    \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19505                      \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19506                        \expandafter\let\csname #1tocdepth\expandafter\endcsname
19507                          \csname #1numdepth\endcsname
19508                        }%
19509                      }%
19510                    }%
19511                  }%
19512                }%
19513              }%
19514            }%
19515          }%
19516        }%
19517      }{}%
19518      \@ifundefined{scr@tso@#1@indent}{%
19519        \@ifundefined{scr@#1@tocindent}{%
19520          \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19521            \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19522              \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19523                \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19524                  \scr@ifundefinedorrelax{l@chapter}{%
19525                    \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19526                      \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19527                        \ifstr{#1}{subsubsection}{%
19528                          \@namedef{scr@tso@#1@indent}{3.8em}%
19529                        }%
19530                      \ifstr{#1}{paragraph}{%
19531                        \@namedef{scr@tso@#1@indent}{7em}%
19532                      }%
19533                    \ifstr{#1}{subparagraph}{%

```



```

19534         \@namedef{scr@tso@#1@indent}{10em}%
19535     }{%
19536 }%
19537 }%
19538 }%
19539 }%
19540 }%
19541 }{%
19542     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19543         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19544             \ifstr{#1}{subsubsection}{%
19545                 \@namedef{scr@tso@#1@indent}{7.0em}%
19546             }{%
19547                 \ifstr{#1}{paragraph}{%
19548                     \@namedef{scr@tso@#1@indent}{10em}%
19549                 }{%
19550                     \ifstr{#1}{subparagraph}{%
19551                         \@namedef{scr@tso@#1@indent}{12em}%
19552                     }{%
19553                         }%
19554                     }%
19555                 }%
19556             }%
19557         }%
19558     }%
19559 }%
19560 }%
19561 }%
19562 }%
19563 }{%
19564     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19565 }%
19566 }{%
19567 }]{%
19568     \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19569         \ifnum \@nameuse{#1tocdepth}<\@ne
19570             \scr@ifundefinedorrelax{chapter}{%
19571                 \addpenalty\@secpenalty
19572                 \addvspace{2.25em \@plus\p@}%
19573             }{%
19574                 \addpenalty{-\@highpenalty}%
19575                 \addvspace{2.25em \@plus\p@}%
19576             }%
19577         \else
19578             \addpenalty\@secpenalty
19579             \addvspace{2.25em \@plus\p@}%
19580         \fi
19581         \setlength\@tempdima{3em}%
19582         \begingroup
19583             \parindent \z@ \bidi@rightskip \@pnumwidth

```



```

19584 \parfillskip -\@pnumwidth
19585 \leavevmode
19586 \large
19587 \bfseries
19588 \advance\bidil@leftskip\@nameuse{scr@tso@#1@indent}%
19589 ##1%
19590 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19591 \par
19592 \nobreak
19593 \ifnum 0=
19594 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
19595 \global\@nobreaktrue
19596 \everypar{\global\@nobreakfalse\everypar{}}%
19597 \fi
19598 \endgroup
19599 \fi
19600 }
19601
19602 \renewcommand*{\scr@dte@tocline}[3]{%
19603 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
19604 \else
19605 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
19606 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
19607 {%
19608 \bidil@leftskip \@nameuse{scr@tso@#1@indent}\relax
19609 \bidil@rightskip \@tocrmarg
19610 \parfillskip -\bidil@rightskip
19611 \@nameuse{Ifscr@tso@#1@raggedpage}{%
19612 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
19613 }}%
19614 \parindent \@nameuse{scr@tso@#1@indent}\relax
19615 \@afterindenttrue
19616 \interlinepenalty\M
19617 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
19618 \addtolength\bidil@rightskip\@flushglue
19619 \else
19620 \def\reserved@a{\raggedright}%
19621 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19622 \addtolength\bidil@rightskip\@flushglue
19623 \else
19624 \renewcommand\reserved@a{\raggedright}%
19625 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19626 \addtolength\bidil@rightskip\@flushglue
19627 \fi
19628 \fi
19629 \fi
19630 \leavevmode
19631 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19632 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19633 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{\fi}%

```



```

19634 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19635 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19636 \fi
19637 }%
19638 }{}%
19639 \advance\@bidi@leftskip \@tempdima
19640 \null\nobreak\hskip -\@bidi@leftskip
19641 {%
19642 \usetocbasicnumberline
19643 \let\scr@dte@numberline@box\numberline@box
19644 \def\numberline@box##1{%
19645 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19646 \global\scr@dte@tocline@numberwidth
19647 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19648 \ifdim \scr@dte@tocline@numberwidth
19649 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19650 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19651 \fi
19652 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}{%
19653 \ifdim \scr@dte@tocline@numberwidth
19654 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
19655 +\@nameuse{scr@tso@#1@numsep}\relax
19656 \PackageWarning{tocbasic}%
19657 }{%
19658 number width of #1 toc entries should be
19659 increased!\MessageBreak
19660 Currently used number width =
19661 \the\wd\scr@dte@tocline@numbox,\MessageBreak
19662 Wanted number separation
19663 \space\space\space =
19664 \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19665 Reserved number width \space\space\space\space\space\space =
19666 \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
19667 }%
19668 \fi
19669 }%
19670 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19671 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
19672 {\parfillskip\@flushglue\par}\nobreak\hskip-\@bidi@leftskip
19673 }{}%
19674 }%
19675 \@nameuse{scr@tso@#1@entryformat}{%
19676 #2%
19677 \nobreak
19678 {%
19679 \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}}%
19680 \nobreak
19681 \@nameuse{scr@tso@#1@pagenumberbox}{%
19682 \@nameuse{scr@tso@#1@pagenumberformat}}{#3}%
19683 }%

```



```

19684         }%
19685         \@par
19686     }%
19687 }%
19688 }%
19689 \tocbasic@SetPenaltyByTOCLevel{#1}%
19690 \fi
19691 }
19692
19693 \bidi@undef\scr@dte@def@1@tocline
19694 \bidi@undef\scr@dte@tocline@init
19695 \DeclareTOCEntryStyle{tocline}[{%
19696     \DefineTOCEntryLengthOption{beforeskip}%
19697     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19698     \DefineTOCEntryIfOption{breakafternumber}%
19699     {scr@tso@}{@breakafternumber}{line break after number flag}%
19700     \DefineTOCEntryIfOption{dynnumwidth}%
19701     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
19702     \DefineTOCEntryCommandOption{entryformat}%
19703     {scr@tso@}{@entryformat}[1]{entry format}%
19704     \DefineTOCEntryCommandOption{entrynumberformat}%
19705     {scr@tso@}{@numberformat}[1]{entry number format}%
19706     \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19707     {scr@tso@}{@linefill}{filling between text and page number}%
19708     \DefineTOCEntryLengthOption{numsep}%
19709     {scr@tso@}{@numsep}{entry number separation}%
19710     \DefineTOCEntryCommandOption{onstarthigherlevel}%
19711     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19712     \DefineTOCEntryCommandOption{onstartlowerlevel}%
19713     {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19714     \DefineTOCEntryCommandOption{onstartsamelevel}%
19715     {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19716     \DefineTOCEntryCommandOption{pagenumberbox}%
19717     {scr@tso@}{@pagenumberbox}[1]{page number box}%
19718     \DefineTOCEntryCommandOption{pagenumberformat}%
19719     {scr@tso@}{@pagenumberformat}[1]{page number format}%
19720     \DefineTOCEntryOption{raggedentrytext}[true]{%
19721         \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
19722         \ifx\FamilyKeyState\FamilyKeyStateProcessed
19723             \if@tempswa
19724                 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19725                 \raggedright
19726             \else
19727                 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19728                 \relax
19729             \fi
19730         \fi
19731     }%
19732     \DefineTOCEntryIfOption{raggedpagenumber}%
19733     {scr@tso@}{@raggedpage}{page number ragged flag}%

```



```

19734 \DefineTOCEntryLengthOption{indent}%
19735   {scr@tso@}{@indent}{entry indent}%
19736 \DefineTOCEntryLengthOption{numwidth}%
19737   {scr@tso@}{@numwidth}{entry number width}%
19738 \scr@ifundefinedorrelax{#1tocdepth}{%
19739   \ifstrstart{#1}{sub}{%
19740     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
19741       \expandafter\edef\csname #1tocdepth\endcsname{%
19742         \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
19743       }%
19744     }%
19745   }{}%
19746 }{}%
19747 \@ifundefined{#1tocdepth}{%
19748   \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19749     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19750       \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19751         \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19752           \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19753             \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19754               \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19755                 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19756                   \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19757                     \expandafter\let\csname #1tocdepth\endcsname
19758                     \csname #1numdepth\endcsname
19759                   }%
19760                 }%
19761               }%
19762             }%
19763           }%
19764         }%
19765       }%
19766     }%
19767   }%
19768 }{}%
19769 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
19770   \@ifundefined{scr@#1@tocindent}{%
19771     \ifstrstart{#1}{sub}{%
19772       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
19773         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
19774           \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19775             \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19776             \relax
19777           }%
19778         }%
19779       }{}%
19780     }%
19781     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19782       \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19783       \relax

```



```

19784         }%
19785     }{%
19786         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19787             \glueexpr \noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@indent}%
19788                 +\noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@numwidth}%
19789             \relax
19790         }%
19791     }%
19792 }%
19793 }{%
19794 }{%
19795     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19796 }%
19797 }{%
19798 \@ifundefined{scr@tso@#1@indent}{%
19799     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19800     \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19801     \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19802     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19803     \scr@ifundefinedorrelax{l@chapter}{%
19804     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
19805     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19806     \ifstr{#1}{subsubsection}{%
19807         \@namedef{scr@tso@#1@indent}{3.8em}%
19808     }{%
19809         \ifstr{#1}{paragraph}{%
19810             \@namedef{scr@tso@#1@indent}{7em}%
19811         }{%
19812             \ifstr{#1}{subparagraph}{%
19813                 \@namedef{scr@tso@#1@indent}{10em}%
19814             }{%
19815             }%
19816         }%
19817     }%
19818     }%
19819     }%
19820 }{%
19821     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19822     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19823     \ifstr{#1}{subsubsection}{%
19824         \@namedef{scr@tso@#1@indent}{7.0em}%
19825     }{%
19826     \ifstr{#1}{paragraph}{%
19827         \@namedef{scr@tso@#1@indent}{10em}%
19828     }{%
19829     \ifstr{#1}{subparagraph}{%
19830         \@namedef{scr@tso@#1@indent}{12em}%
19831     }{%
19832     }%
19833     }%

```




```

19834         }%
19835     }%
19836 }%
19837 }%
19838 }%
19839 }%
19840 }%
19841 }%
19842 }{}%
19843 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19844     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19845         \ifstrstart{#1}{sub}{%
19846             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
19847             \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19848                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19849                 +.9em%
19850             }%
19851         }%
19852     }%
19853 }{}%
19854 }{%
19855     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19856 }%
19857 }{}%
19858 \ifundefined{scr@tso@#1@numwidth}{%
19859     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19860         \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19861             \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19862                 \scr@ifundefinedorrelax{chapter}{%
19863                     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19864                         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19865                             \ifstr{#1}{subsubsection}{%
19866                                 \@namedef{scr@tso@#1@numwidth}{3.2em}%
19867                             }{%
19868                                 \ifstr{#1}{paragraph}{%
19869                                     \@namedef{scr@tso@#1@numwidth}{4.1em}%
19870                                 }{%
19871                                     \ifstr{#1}{subparagraph}{%
19872                                         \@namedef{scr@tso@#1@numwidth}{5m}%
19873                                     }{%
19874                                         }%
19875                                     }%
19876                                 }%
19877                             }%
19878                         }%
19879                     }{%
19880                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19881                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19882                                 \ifstr{#1}{subsubsection}{%
19883                                     \@namedef{scr@tso@#1@numwidth}{3.1em}%

```



```

19884         }{%
19885         \ifstr{#1}{paragraph}{%
19886             \@namedef{scr@tso@#1@numwidth}{5em}%
19887         }{%
19888             \ifstr{#1}{subparagraph}{%
19889                 \@namedef{scr@tso@#1@numwidth}{6em}%
19890             }{%
19891             }%
19892         }%
19893     }%
19894 }%
19895 }%
19896 }%
19897 }%
19898 }%
19899 }%
19900 }{}%
19901 \expandafter\renewcommand%
19902 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19903 \expandafter\renewcommand%
19904 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19905 \expandafter\renewcommand%
19906 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19907 \@ifundefined{scr@tso@#1@beforeskip}{%
19908     \ifstr{#1}{part}{%
19909         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
19910     }{%
19911         \ifstr{#1}{chapter}{%
19912             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19913         }{%
19914             \ifstr{#1}{section}{%
19915                 \scr@ifundefinedorrelax{1@chapter}{%
19916                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19917                 }{}%
19918             }{}%
19919         }%
19920     }%
19921     \expandafter\renewcommand\expandafter*%
19922     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
19923 }{}%
19924 \@ifundefined{scr@dte@#1@maxnumwidth}{%
19925     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
19926     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
19927 }{}%
19928 \renewcommand*{\scr@dte@donumwidth}{}%
19929 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
19930 \expandafter\renewcommand\expandafter*%
19931 \csname scr@tso@#1@numsep\endcsname{.4em}%
19932 \expandafter\renewcommand%
19933 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%

```



```

19934 \ifstr{#1}{part}{%
19935   \expandafter\renewcommand%
19936   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
19937 }{%
19938   \ifstr{#1}{chapter}{%
19939     \expandafter\renewcommand%
19940     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19941   }{%
19942     \scr@ifundefinedorrelax{1@chapter}{%
19943       \ifstr{#1}{section}{%
19944         \expandafter\renewcommand%
19945         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19946       }{%
19947       }{}%
19948     \expandafter\renewcommand%
19949     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
19950   }%
19951 }%
19952 \expandafter\renewcommand
19953 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
19954 \@ifundefined{scr@tso@#1@linefill}{%
19955   \ifstr{#1}{part}{%
19956     \@namedef{scr@tso@#1@linefill}{\hfill}%
19957   }{%
19958     \ifstr{#1}{chapter}{%
19959       \@namedef{scr@tso@#1@linefill}{\hfill}%
19960     }{%
19961       \scr@ifundefinedorrelax{1@chapter}{%
19962         \ifstr{#1}{section}{%
19963           \@namedef{scr@tso@#1@linefill}{\hfill}%
19964         }{}
19965       }{}
19966     \expandafter\renewcommand%
19967     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19968   }%
19969 }%
19970 }{}%
19971 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
19972 \ifstr{#1}{part}{%
19973   \expandafter\renewcommand%
19974   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
19975 }{%
19976   \expandafter\renewcommand%
19977   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19978     {\normalfont\normalcolor ##1}}%
19979 }%
19980 \expandafter\renewcommand%
19981 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
19982   \hb@xt@{\pnumwidth}{\hfil ##1}}%
19983 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%

```



```

19984 }]{%
19985 \scr@dte@tocline{#1}{##1}{##2}%
19986 }
19987

```

123 File tocstyle-xetex-bidi.def

```

19988 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
19989 \renewcommand*{\tocstyle@dottedtocline}[5]{%
19990 \let\numberline\tocstyle@numberline
19991 \ifnum #1>\c@tocdepth \else
19992 \if@tocstyle@penalties
19993 \begingroup
19994 \@tempcnta 20010
19995 \advance \@tempcnta by -#1
19996 \ifnum \@tempcnta>\lastpenalty
19997 \aftergroup\penalty\aftergroup\@lowpenalty
19998 \fi
19999 \endgroup
20000 \fi
20001 \edef\tocstyledepth{#1}%
20002 \tocstyle@activate@features
20003 \ifx\tocstyle@feature@entryvskip\relax
20004 \vskip \z@ \@plus.2\p@
20005 \else
20006 \addvspace{\tocstyle@feature@entryvskip}%
20007 \fi
20008 {%
20009 \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else
20010 \tocstyle@feature@raggedhook
20011 \@tempdima #3\relax
20012 \@tempdimb #2\relax
20013 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20014 \ifnum #1>\z@\relax
20015 \@tempcnta #1\relax \advance\@tempcnta \m@ne
20016 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20017 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20018 \@tempdimb
20019 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20020 \advance\@tempdimb
20021 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20022 \fi
20023 \fi
20024 \fi
20025 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20026 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
20027 \ifdim \@tempdimb>
20028 \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
20029 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20030 @#1\endcsname{\the\@tempdimb}%

```



```

20031     \fi
20032 \else
20033     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20034     @#1\endcsname{\the\@tempdimb}%
20035 \fi
20036 \iftocstyle@autolength
20037     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20038     \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20039     \relax
20040 \fi
20041     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20042     \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20043     \relax
20044 \fi
20045     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20046     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20047 \else
20048     \@tempdimb #2\relax
20049     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20050 \fi
20051 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
20052     \ifdim \@tempdima>
20053     \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
20054     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20055     @\endcsname{\the\@tempdima}%
20056 \fi
20057 \else
20058     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20059     @\endcsname{\the\@tempdima}%
20060 \fi
20061 \ifcase\tocstyle@indentstyle\relax\else
20062     \@tempdimb \z@
20063     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20064     \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20065     \relax
20066 \fi
20067     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20068     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20069 \fi
20070 \advance\parindent \@tempdimb\@afterindenttrue
20071 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
20072 \advance\if@RTL\leftskip\else\rightskip\fi \tocrmarg
20073 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
20074 \ifx\tocstyle@feature@parfillskip\relax\else
20075     \advance\parfillskip \tocstyle@feature@parfillskip\relax
20076 \fi
20077 \interlinepenalty\M
20078 \leavevmode
20079 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
20080 \null\nobreak

```



```

20081 \iftocstyle@indentnotnumbered\else
20082 \hskip -\if@RTL\righskip\else\leftskip\fi
20083 \fi
20084 \tocstyle@feature@entryhook
20085 {#4}\nobreak
20086 \ifx\tocstyle@feature@leaders\relax
20087 \leaders\hbox{$\m@th
20088 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
20089 \mkern \@dotsep mu$}\hfill
20090 \else
20091 \tocstyle@feature@leaders
20092 \fi
20093 \nobreak
20094 \ifx\tocstyle@feature@pagenumberbox\relax
20095 \hbxt@{\pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}}%
20096 \else
20097 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
20098 \fi
20099 \par
20100 }%
20101 \if@tocstyle@penalties
20102 \bgroup
20103 \@tempcnta 20009
20104 \advance\@tempcnta by -#1
20105 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
20106 \reserved@a
20107 \fi
20108 \fi}
20109 \renewcommand*{\tocstyle@numberline}[1]{%
20110 \beginngroup
20111 \ifx\tocstyle@feature@spaceafternumber\relax
20112 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
20113 \else
20114 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
20115 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
20116 \fi
20117 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
20118 \ifdim \@tempdima >
20119 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
20120 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20121 @\tocstyledepth\endcsname{\the\@tempdima}%
20122 \fi
20123 \else
20124 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20125 @\tocstyledepth\endcsname{\the\@tempdima}%
20126 \fi
20127 \endgroup
20128 \iftocstyle@indentnotnumbered
20129 \hskip -\if@RTL\righskip\else\leftskip\fi
20130 \fi

```



```

20131 \ifcase \tocstyle@indentstyle
20132   \hb@xt@{\tempdima{\tocstyle@@numberline{#1}\hfil}}%
20133   \or
20134   \hb@xt@{\tempdima{\tocstyle@@numberline{#1}\hfil}}%
20135 \else
20136   \ifx\tocstyle@feature@spaceafternumber\relax
20137     \hbox{\tocstyle@@numberline{#1}\enskip}%
20138   \else
20139     \hbox{\tocstyle@@numberline{#1}\hskip
20140       \tocstyle@feature@spaceafternumber\relax}%
20141   \fi
20142 \fi
20143 }
20144 \AtBeginDocument{%
20145   \ifcsname l@part\endcsname
20146     \ifcsname l@chapter\endcsname
20147       \setbox\@tempboxa\vbox{\hsize\maxdimen
20148         \l@part{\tocstyle@l@define{part}{-1}}{}}%
20149     \else
20150       \setbox\@tempboxa\vbox{\hsize\maxdimen
20151         \l@part{\tocstyle@l@define{part}{0}}{}}%
20152     \fi
20153 \fi
20154 \ifcsname l@chapter\endcsname
20155   \setbox\@tempboxa\vbox{\hsize\maxdimen
20156     \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
20157 \fi
20158 \ifcsname l@section\endcsname
20159   \setbox\@tempboxa\vbox{\hsize\maxdimen
20160     \l@section{\tocstyle@l@define{section}{1}}{}}%
20161 \fi
20162 \ifcsname l@subsection\endcsname
20163   \setbox\@tempboxa\vbox{\hsize\maxdimen
20164     \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
20165 \fi
20166 \ifcsname l@subsubsection\endcsname
20167   \setbox\@tempboxa\vbox{\hsize\maxdimen
20168     \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
20169 \fi
20170 \ifcsname l@paragraph\endcsname
20171   \setbox\@tempboxa\vbox{\hsize\maxdimen
20172     \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
20173 \fi
20174 \ifcsname l@subparagraph\endcsname
20175   \setbox\@tempboxa\vbox{\hsize\maxdimen
20176     \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
20177 \fi
20178 \ifcsname l@table\endcsname
20179   \setbox\@tempboxa\vbox{\hsize\maxdimen
20180     \l@table{\tocstyle@l@define{table}{1}}{}}%

```



```

20181 \fi
20182 \ifcsname l@figure\endcsname
20183 \setbox\@tempboxa\vbox{\hsize\maxdimen
20184 \l@figure{\tocstyle@l@define{figure}{1}}{}}}%
20185 \fi
20186 \def\@tempa#1#2#3#4#5{%
20187 \ifnum #1>\c@tocdepth \else
20188 \vskip \z@ \@plus.2\p@
20189 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrm
20190 \parindent #2\relax\@afterindenttrue
20191 \interlinepenalty\@M
20192 \leavevmode
20193 \@tempdima #3\relax
20194 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
20195 {#4}\nobreak
20196 \leaders\hbox{$\m@th
20197 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20198 mu$}\hfill
20199 \nobreak
20200 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}}%
20201 \par}%
20202 \fi}%
20203 \ifx\@dottedtocline\@tempa\else
20204 \tocstyle@macrochangewarning\@dottedtocline
20205 \fi
20206 \let\tocstyle@saved@dottedtocline\@dottedtocline
20207 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}}%
20208 \ifx\numberline\@tempa\else
20209 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}}%
20210 \ifx\numberline\@tempa\else
20211 \tocstyle@macrochangewarning\numberline
20212 \fi
20213 \fi
20214 \let\tocstyle@saved@numberline\numberline
20215 }
20216 \renewcommand*{\tocstyle@l@define}[2]{%
20217 \advance\if@RTL\righskip\else\leftskip\fi-\@tempdima
20218 \edef\@tempa{%
20219 \noexpand\global\noexpand\let
20220 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
20221 \expandafter\noexpand\csname l@#1\endcsname
20222 \noexpand\gdef
20223 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
20224 \noexpand\@dottedtocline{#2}{\the\if@RTL\righskip\else\leftskip\fi}{\the\@tempdima}}}%
20225 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
20226 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
20227 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
20228 }%
20229 }%
20230 \PackageInfo{tocstyle}{prepare \expandafter\string

```




```

20231 \csname l@#1\endcsname\space for redefinition}%
20232 \@tempa
20233 }

```

124 File todonotes-xetex-bidi.def

```

20234 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
20235 \newif\if@bidi@todonotes@textdirection@RTL
20236 \newif\if@bidi@todonotes@figposition@right
20237 \newcommand{\@bidi@todonotes@align}{}%
20238 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
20239 \newcommand{\@bidi@todonotes@textdirection}{}%
20240 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,1}
20241 \ifcase\@bidi@todonotes@tempb\relax
20242 \@bidi@todonotes@textdirection@RTLtrue
20243 \let\@bidi@todonotes@textdirection\RLE
20244 \or
20245 \@bidi@todonotes@textdirection@RTLfalse
20246 \let\@bidi@todonotes@textdirection\LRE
20247 \fi}
20248 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,1}
20249 \ifcase\@bidi@todonotes@tempb\relax
20250 \@bidi@todonotes@figposition@righttrue
20251 \or
20252 \@bidi@todonotes@figposition@rightfalse
20253 \fi}
20254 \if@todonotes@disabled%
20255 \else % \if@todonotes@disabled
20256 \renewcommand{\@todonotes@drawInlineNote}{%
20257 \if@todonotes@dviStyle%
20258 {\par\noindent\begin{tikzpicture}[remember picture]%
20259 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20260 \if@todonotes@authorgiven%
20261 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20262 \else%
20263 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20264 \fi
20265 {\par\noindent\begin{tikzpicture}[remember picture]%
20266 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20267 \else%
20268 {\par\noindent\begin{tikzpicture}[remember picture]%
20269 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20270 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]{}%
20271 \if@todonotes@authorgiven%
20272 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20273 \else%
20274 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20275 \fi};%
20276 \end{tikzpicture}\par}%
20277 \fi}%

```



```

20278 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
20279 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
20280 \node [coordinate] (inText) {};%
20281 \end{tikzpicture}%
20282 \marginpar[{} Draw note in left margin
20283 \@todonotes@drawMarginNote%
20284 \ifRTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
20285 ]{} Draw note in right margin
20286 \@todonotes@drawMarginNote%
20287 \ifRTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
20288 }%
20289 }%
20290 \renewcommand{\@todonotes@drawMarginNote}{%
20291 \if@todonotes@dviStyle%
20292 \begin{tikzpicture}[remember picture]%
20293 \draw node[notestyle] {};%
20294 \end{tikzpicture}\\%
20295 \begin{minipage}{\@todonotes@textwidth}%
20296 \if@todonotes@authorgiven%
20297 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
20298 \else%
20299 \@todonotes@sizecommand \@todonotes@text%
20300 \fi%
20301 \end{minipage}\\%
20302 \begin{tikzpicture}[remember picture]%
20303 \draw node[notestyle] (inNote) {};%
20304 \end{tikzpicture}%
20305 \else%
20306 \let\originalHbadness\hbadness%
20307 \hbadness 100000%
20308 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
20309 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20310 \node(X){\vphantom{X}};%
20311 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
20312 {\@todonotes@text};%
20313 \if@todonotes@authorgiven%
20314 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon
20315 {\@todonotes@sizecommand\@todonotes@author};%
20316 \node(Y)[below=of X]{};%
20317 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon
20318 {\@todonotes@text};%
20319 \else%
20320 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon
20321 {\@todonotes@text};%
20322 \fi%
20323 \end{tikzpicture}%
20324 \hbadness \originalHbadness%
20325 \fi}%
20326 \renewcommand{\missingfigure}[2]{}%
20327 \setkeys{todonotes}{#1}%

```



```

20328 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
20329 \par
20330 \noindent
20331 \begin{tikzpicture}
20332 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
20333   (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
20334 \if@bidi@todonotes@figposition@right%
20335 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20336 \fi%
20337 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20338   (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20339 \if@bidi@todonotes@figposition@right%
20340 \end{scope}
20341 \begin{scope}[xshift=-3.8cm]
20342 \fi%
20343 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20344 \draw (2, -0.3) node[right, text
20345   width=\@todonotes@currentfigwidth-4.5cm, align=\@bidi@todonotes@align] {#2};
20346 \if@bidi@todonotes@figposition@right%
20347 \end{scope}
20348 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20349 \fi%
20350 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
20351 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
20352 \if@bidi@todonotes@figposition@right%
20353 \end{scope}
20354 \fi%
20355 \end{tikzpicture}\hfill
20356}% Ending \missingfigure command
20357 \fi % Ending \@todonotes@ifdisabled
20358 \presetkeys%
20359   {todonotes}%
20360   {align=left,%
20361     textdirection=lefttoright,%
20362     figposition=left}{}%

```

125 File wrapfig-xetex-bidi.def

```

20363 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for
20364 \let\WF@@everypar\bidi@n@everypar
20365 \def\WF@putfigmaybe{%
20366 \ifinner
20367   \vskip-\parskip \global\WF@floatfalse
20368   \let\pagetotal\maxdimen % kludge flag for "not top of page"
20369 \else % outer page
20370   \@tempdima\pagedepth % save page depth
20371   {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
20372   \penalty\interlinepenalty % update pg. parameters
20373   \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20374   \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%

```



```

20375 \global\WF@floatfalse
20376 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20377 \else
20378 \ifdim\WF@size>\@tempdimb
20379 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20380 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20381 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20382 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20383 \advance\dimen@.5\baselineskip
20384 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20385 \global\WF@floatfalse \pagebreak
20386 \fi
20387 \else % \WF@info{Fits in \the\@tempdimb;}%
20388 \global\WF@floatfalse
20389 \fi\fi
20390 \vskip\@tempdima\relax % (return erased page depth)
20391 \fi
20392 \noindent
20393 \ifWF@float
20394 \WF@fltmes
20395 \else % putting here;
20396 \WF@info{Put \WF@wfname here:}%
20397 {\ifodd\if@twoside\c@page\else\one\fi % assign l/r to i/o placement
20398 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20399 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
20400 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
20401 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20402 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20403 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20404 \xdef\WF@adjlw{\the\@tempdima}%
20405 \ifnum `l=\WF@place % fig on left
20406 \if@RTL%
20407 \kern\@tempdimb \kern\columnsep
20408 \def\@tempa{\hss}% position to left of the gap
20409 \else%
20410 \hss % figure overlaps space to the left
20411 \def\@tempa{\kern\columnsep}% position to left of the gap
20412 \fi%
20413 \else % fig on right
20414 \if@RTL%
20415 \hss
20416 \@tempdima\z@
20417 \def\@tempa{\kern\columnsep}
20418 \else%
20419 \@tempdima\z@ % no left indentation
20420 \kern\@tempdimb \kern\columnsep
20421 \def\@tempa{\hss}% figure overlaps space to the right
20422 \fi%
20423 \fi
20424 \ifdim\@tempdimb<\hsize

```



```

20425 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
20426 \xdef\WF@adjtlm{\the\@tempdima}%
20427 \else
20428 \xdef\WF@wrapil{z@ \the\hspace}%
20429 \xdef\WF@adjlw{z@}\xdef\WF@adjtlm{z@}%
20430 \fi
20431 \ifdim\pagetotal=z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20432 \global\advance\WF@size-\intextsep
20433 \else % \WF@info{Putting \WF@wfname in middle of page}%
20434 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20435 \fi \dp\WF@box=z@ \box\WF@box \@tempa
20436 }% end \hbox to Opt
20437 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20438 \fi}

```

126 File xcolor-xetex-bidi.def

```

20439 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeTeX]
20440 \long\def\color@b@x#1#2#3%
20441 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
20442 \setboxz@hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
20443 \dimen@htz@\advance\dimen@\fbboxsephtz@\dimen@
20444 \dimen@dpz@\advance\dimen@\fbboxsepdpz@\dimen@
20445 {#1{#2\color@block{\wdz@}{\htz@}{\dpz@}\boxz@}}\ifmmode\else\if@RTL\endL\fi\fi}
20446 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
20447 \DeclareRobustCommand\color
20448 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor]}
20449 \def\@undeclaredcolor[#1]#2%
20450 {\begingroup
20451 \let\@cls\@empty
20452 \XC@getmodclr12{#1}{#2}{}%
20453 {\ifblendcolors
20454 \ifx\colorblend\@empty\else
20455 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20456 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
20457 \fi
20458 \fi
20459 \ifconvertcolorsU
20460 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20461 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20462 \fi
20463 \ifmaskcolors
20464 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20465 \let\@mod\XC@mmod
20466 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20467 \expandafter\XC@mul\@tmp,\@clr
20468 \fi
20469 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20470 \expandafter\endgroup\@tmp}}
20471 \def\@declaredcolor#1%

```



```

20472 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20473 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20474 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20475 \ifconvertcolorsU\XC@tsttrue\fi
20476 \fi
20477 \ifXC@tst
20478 \expandafter\XC@declaredcolor\else
20479 \expandafter\XC@declaredcolor\fi}
20480 \def\XC@undeclaredcolor#1#2%
20481 {\@ifundefinedmodel{#1}%
20482 {\c@lor@error{model `#1'}}%
20483 {\@nameuse{color@#1}\current@color{#2}}%
20484 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
20485 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20486 \def\XC@declaredcolor
20487 {\XC@let@Nc\XC@current@color{\string\color@\XC@tmp}%
20488 \edef\current@color{\XC@current@color}%
20489 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20490 \DeclareRobustCommand\bidicolor
20491 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20492 \def\@bidiundeclaredcolor[#1]#2%
20493 {\begingroup
20494 \let\@cls@empty
20495 \XC@getmodclr12{#1}{#2}{}%
20496 {\ifblendcolors
20497 \ifx\colorblend\@empty\else
20498 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20499 \XC@coremodel\@mod\@clr\xcolor@{ }\@mod\@clr
20500 \fi
20501 \fi
20502 \ifconvertcolorsU
20503 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20504 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20505 \fi
20506 \ifmaskcolors
20507 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20508 \let\@mod\XC@mmod
20509 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20510 \expandafter\XC@mul\@tmp,\@clr
20511 \fi
20512 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
20513 \expandafter\endgroup\@tmp}}
20514 \def\XC@bidiundeclaredcolor#1#2%
20515 {\@ifundefinedmodel{#1}%
20516 {\c@lor@error{model `#1'}}%
20517 {\@nameuse{color@#1}\current@color{#2}}%
20518 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
20519 \XC@display}}
20520 \def\@bidideclaredcolor#1%
20521 {\XC@edef\XC@tmp{#1}\XC@tstfalse

```



```

20522 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20523 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20524 \ifconvertcolorsU\XC@tsttrue\fi
20525 \fi
20526 \ifXC@tst
20527 \expandafter\XC@bidideclaredcolor\else
20528 \expandafter\XC@bidideclaredcolor\fi}
20529 \def\XC@bidideclaredcolor
20530 {\XC@split\XC@tmp
20531 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
20532 \expandafter\endgroup\@tmp}
20533 \def\XC@bidideclaredcolor
20534 {\XC@let\NC\XC@current@color{\string\color\XC@tmp}%
20535 \edef\current@color{\XC@current@color}%
20536 \XC@display}
20537 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20538 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
20539 \def\color@fb@x#1#2#3#4%
20540 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
20541 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20542 \def\color@setgroup{\begingroup\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\setcolor\ifhmode

```

127 File latex-xetex-bidi.def

```

20543 \ProvidesFile{latex-xetex-bidi.def}[2018/10/11 v1.3.6 bidi adaptations for `latex.ltx' for Xe
20544 \newcommand{\TeXXeTOn}{\TeXXeTstate@one}
20545 \newcommand{\TeXXeTOff}{\TeXXeTstate@z@}
20546 \TeXXeTOn
20547 \def\bidi@RTL@everypar{\setbox\z@\lastbox\ifRTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
20548 \let\bidi@o@everypar=\everypar
20549 \newtoks\bidi@n@everypar
20550 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20551 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20552 \let\everypar=\bidi@n@everypar
20553 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20554 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20555 \protected\def\hboxR{\hbox\bgroup
20556 \everyhbox{%
20557 \aftergroup\egroup
20558 \everyhbox{}}%
20559 \beginR
20560 \@hboxRconstructtrue
20561 \bgroup
20562 \aftergroup\endR
20563 \aftergroup\egroup
20564 }\hbox}
20565 \protected\def\hboxL{\hbox\bgroup
20566 \everyhbox{%
20567 \aftergroup\egroup
20568 \everyhbox{}}%

```



```

20569 \beginL
20570 \@hboxRconstructfalse
20571 \bgroup
20572 \aftergroup\endL
20573 \aftergroup\egroup
20574 }\hbox}
20575 \protected\def\vboxR{\vbox\bgroup
20576 \everyvbox{%
20577 \aftergroup\egroup
20578 \everyvbox{}}%
20579 \@RTLtrue
20580 \@RTLtabtrue
20581 \bgroup
20582 \aftergroup\egroup
20583 }\vbox}
20584 \protected\def\vboxL{\vbox\bgroup
20585 \everyvbox{%
20586 \aftergroup\egroup
20587 \everyvbox{}}%
20588 \@RTLfalse
20589 \@RTLtabfalse
20590 \bgroup
20591 \aftergroup\egroup
20592 }\vbox}
20593 \newcommand*{\bidi@leftskip}{\if@RTL\rightskip\else\leftskip\fi}
20594 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\rightskip\fi}
20595 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
20596 \def\endLTR{\par}
20597 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
20598 \def\endRTL{\par}
20599 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue}
20600 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
20601 \let\unsetRTL=\setLTR
20602 \let\unsetLTR=\setRTL
20603 \let\LR=\LRE
20604 \let\RL=\RLE
20605 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20606 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20607 \let\@ensure@RL=\@ensure@RTL
20608 \let\@ensure@LR=\@ensure@LTR
20609 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20610 \let\@ensure@maindir=\@ensure@dir
20611 \def\@RTL{RTL}
20612 \def\@LTR{LTR}
20613 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20614 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
20615 \let\@TeX\TeX
20616 \def\TeX{\@ensure@LTR{\@TeX}}
20617 \let\@LaTeX\LaTeX
20618 \def\LaTeX{\@ensure@LTR{\@LaTeX}}

```




```

20619 \let\@@LaTeXe\LaTeXe
20620 \def\LaTeXe{\@ensure@LTR{\@@LaTeXe}}
20621 \long\def\bidireflect@box#1{%
20622   \leavevmode
20623   \setbox\z@\hbox{\{#1\}}%
20624   \setbox\@tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20625   \hb@xt@\wd\z@{\kern\wd\z@\box\@tw@\hss}%
20626 }
20627 \bidinewrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20628   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
20629 \bidinewrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20630   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \LaTeX}}$}}
20631 \let\setRL=\setRTL
20632 \let\setLR=\setLTR
20633 \let\unsetRL=\setLTR
20634 \def\biditabular@RTLcases{\let\@halignto\@empty\@biditabular@RTLcases}
20635 \@ifpackageloaded{array}{%
20636 \def\@biditabular@RTLcases{\@RTLtabtrue%
20637   \leavevmode
20638   \hbox \bgroup $\left.\colsep\tabcolsep \let\dollarbegin\begin\group
20639   \let\dollarend\end\group
20640   \@tabarray}
20641 \def\endbiditabular@RTLcases{\endarray \right\rbrace$\egroup}
20642 }{%
20643 \def\@biditabular@RTLcases{\@RTLtabtrue%
20644   \leavevmode \hbox \bgroup
20645   $\left.\let\@acol\@tabacol
20646   \let\@classz\@tabclassz
20647   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20648
20649 \def\endbiditabular@RTLcases{\crcr\egroup\if@RTLtab\egroup\endR\egroup\fi
20650   \egroup\right\rbrace $\egroup}}
20651 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20652   \ialign{##\hfil$&\quad{##}\hfil\crcr#1\crcr}}\,\right\}}
20653 \renewenvironment{RTLcases}{%
20654   \bidimatrix@checkRTLcases\env@RTLcases
20655 }{%
20656   \endbiditabular@RTLcases%
20657 }
20658 \def\env@RTLcases{%
20659   \let\@ifnextchar\bidinew@ifnextchar
20660   \def\arraystretch{1.2}%
20661   \biditabular@RTLcases{\@{}r@{\quad}r@{}}%
20662 }
20663 \def\SepMark#1{\gdef\@SepMark{#1}}
20664 \SepMark{.}
20665 \def\@thmcountersep{\@SepMark}
20666 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20667 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20668 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}

```



```

20669 \newcommand*{\bidi@thebibliography@font@hook}{}
20670 \def\list#1#2{%
20671   \ifnum \@listdepth >5\relax
20672     \@toodeep
20673   \else
20674     \global\advance\@listdepth\@ne
20675   \fi
20676   \rightmargin\z@
20677   \listparindent\z@
20678   \itemindent\z@
20679   \csname @list\romannumeral\the\@listdepth\endcsname
20680   \def\itemlabel{#1}%
20681   \let\makelabel\@mklab
20682   \@nmbrrlistfalse
20683   #2\relax
20684   \@trivlist
20685   \parskip\parsep
20686   \parindent\listparindent
20687   \advance\linewidth -\rightmargin
20688   \advance\linewidth -\leftmargin
20689   \if@bidi@list@minipage@parbox
20690     \if@RTL
20691       \advance\@totalleftmargin \leftmargin
20692     \else
20693       \advance\@totalleftmargin \rightmargin
20694     \fi
20695   \else
20696     \if@hboxRconstruct
20697       \if@bidi@list@minipage@parbox@not@nob
20698         \if@RTL
20699           \advance\@totalleftmargin \rightmargin
20700         \else
20701           \advance\@totalleftmargin \leftmargin
20702         \fi
20703       \else
20704         \if@RTL
20705           \advance\@totalleftmargin \leftmargin
20706         \else
20707           \advance\@totalleftmargin \rightmargin
20708         \fi\fi
20709       \else
20710         \if@RTL
20711           \advance\@totalleftmargin \rightmargin
20712         \else
20713           \advance\@totalleftmargin \leftmargin
20714         \fi\fi\fi
20715       \parshape \@ne \@totalleftmargin \linewidth
20716       \ignorespaces}
20717 \long\def\@iiiparbox#1#2[#3]#4#5{%
20718   \leavevmode

```



```

20719 \pboxswfalse
20720 \if@hboxRconstruct
20721 \@bidi@list@minipage@parbox@not@nobtrue
20722 \fi
20723 \if@RTL
20724 \ifx#1t%
20725 \@bidi@list@minipage@parboxtrue
20726 \else
20727 \ifx#1b%
20728 \@bidi@list@minipage@parboxtrue
20729 \fi
20730 \fi
20731 \fi
20732 \setlength\@tempdima{#4}%
20733 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
20734 \ifx\relax#2\else
20735 \setlength\@tempdimb{#2}%
20736 \edef\@parboxto{\to\the\@tempdimb}%
20737 \fi
20738 \if#1b\vbox
20739 \else\if #1t\vtop
20740 \else\ifmmode\vcenter
20741 \else\@pboxswtrue $\vcenter
20742 \fi\fi\fi
20743 \@parboxto{\let\hss\vss\let\unhbox\unvbox
20744 \csname bm@#3\endcsname}%
20745 \if@pboxsw \m@th$\fi
20746 \@end@tempboxa}
20747 \newenvironment{LTRitems}
20748 {\par\@RTLfalse\@RTLtabfalse
20749 \if@bidi@list@minipage@parbox
20750 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20751 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20752 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20753 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20754 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
20755 \ignorespaces}{\vskip\z@}
20756 \newenvironment{RTLitems}
20757 {\par\@RTLtrue\@RTLtabtrue
20758 \if@bidi@list@minipage@parbox
20759 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20760 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20761 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20762 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20763 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
20764 \ignorespaces}{\vskip\z@}
20765 \newenvironment{LTRbibitems}
20766 {\par\@RTLfalse\@RTLtabfalse
20767 \if@bidi@list@minipage@parbox
20768 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth

```



```

20769         \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20770         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20771         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20772         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\
20773         \ignorespaces}{\vskip\z@}
20774 \newenvironment{RTLbibitems}
20775     {\par\@RTLtrue\@RTLtabtrue
20776     \if@bidi@list@minipage@parbox
20777     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20778     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20779     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20780     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20781     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\
20782     \ignorespaces}{\vskip\z@}
20783 \def\raggedright{%
20784 \let\@centercr\@rightskip\@flushglue \rightskip\@rightskip
20785 \leftskip\z@skip
20786 \parindent\z@\parfillskip\z@skip}
20787 \let\@bidi@orig@raggedleft\raggedleft
20788 \let\@bidi@orig@raggedright\raggedright
20789 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\if@hboxRcons
20790 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\if@hboxRcons
20791 \newcommand{\@bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
20792 \newcommand{\@bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
20793 \def\centerline#1{%
20794 \if@RTL\@@line{\hss\beginR#1\endR\hss}
20795 \else\@@line{\hss#1\hss}\fi}
20796 \def\leftline#1{%
20797 \if@RTL\@@line{\beginR#1\endR\hss}
20798 \else\@@line{#1\hss}\fi}
20799 \def\rightline#1{%
20800 \if@RTL\@@line{\hss\beginR#1\endR}
20801 \else\@@line{\hss#1}\fi}
20802 \let\@bidi@orig@leftline\leftline
20803 \let\@bidi@orig@rightline\rightline
20804 \def\leftline#1{\ifhmode\if@RTL\@bidi@orig@rightline{#1}\else\@bidi@orig@leftline{#1}\fi\else\if
20805 \def\rightline#1{\ifhmode\if@RTL\@bidi@orig@leftline{#1}\else\@bidi@orig@rightline{#1}\fi\else\
20806 \def\bidirlap#1{\hb@xt@{\z@}{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20807 \def\bidillap#1{\hb@xt@{\z@}{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20808 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20809 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20810 \def\narrower{%
20811 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
20812 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
20813 \def\underline#1{%
20814 \relax
20815 \ifmmode\@underline{#1}%
20816 \else
20817 \if@RTL $\@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20818 \else

```



```

20819 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20820 \ifcompatibility
20821 \let\undertext=\underline
20822 \fi
20823 \def\@tabular{%
20824 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
20825 $\let\@acol\@tabacol
20826 \let\@classz\@tabclassz
20827 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20828 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20829 \egroup $\if@RTLtab\endR\fi\egroup}
20830 \expandafter \let \csname endtabular*\endcsname = \endtabular
20831 \def\@array[#1]#2{%
20832 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20833 \bgroup
20834 \setbox\@arstrutbox\hbox{%
20835 \vrule \@height\arraystretch\ht\strutbox
20836 \@depth\arraystretch \dp\strutbox
20837 \@width\z@}%
20838 \mkpream{#2}%
20839 \edef\@preamble{%
20840 \ialign \noexpand\@halignto
20841 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20842 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20843 \let\@tabularnewline\%
20844 \let\par\@empty
20845 \let\@sharp##%
20846 \set@typeset@protect
20847 \lineskip\z@skip\baselineskip\z@skip
20848 \ifhmode \@preamerr\z@ \@@par\fi
20849 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
20850 \@preamble}
20851 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20852 \let\@classiv\@arrayclassiv
20853 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20854 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20855 \ifnum \@lastchclass=3 5 \else
20856 \z@ \if #1c\@chnum \z@ \else
20857 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
20858 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
20859 \@chclass \if #1|\@ne \else
20860 \if #1\@tw@ \else
20861 \if #1p3 \else \z@ \@preamerr 0\fi
20862 \fi \fi \fi \fi \fi \fi
20863 \fi}
20864 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20865 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20866 \def\bm@t{\unhbox\@tempboxa\hss}
20867 \def\bm@b{\hss\unhbox\@tempboxa}
20868 \def\@dottedtocline#1#2#3#4#5{%

```



```

20869 \ifnum #1>\c@tocdepth \else
20870 \vskip \z@ \@plus.2\p@
20871 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmargin
20872 \parindent #2\relax\@afterindenttrue
20873 \interlinepenalty\@M
20874 \leavevmode
20875 \@tempdima #3\relax
20876 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
20877 {#4}\nobreak
20878 \leaders\hbox{$\m@th
20879 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20880 mu$}\hfill
20881 \nobreak
20882 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
20883 \par}%
20884 \fi}
20885
20886 \newcount\ bidi@column@check@number
20887
20888 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
20889
20890 \def\ bidi@set@column@status#1#2{%
20891 \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
20892
20893 \if@twocolumn
20894 \newcommand\DetectColumn[3][1]{%
20895 \ifx\ bidi@firstcolumn@status@write\relax
20896 \PackageError{bidi}%
20897 {Option 'DetectColumn' not selected}%
20898 {\string\DetectColumn\space
20899 requires the use of the 'DetectColumn'
20900 option on the package}%
20901 \fi
20902 \global\advance\ bidi@column@check@number\@ne
20903 \edef\ bidi@column@type{\expandafter\ifx
20904 \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
20905 0\else
20906 \csname bidi@column-\the\ bidi@column@check@number\endcsname
20907 \fi}%
20908 \ifcase \ bidi@column@type\relax
20909 \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
20910 \or
20911 #2% % 1 First column
20912 \or
20913 #3% % 2 Second (Last column)
20914 \else
20915 \ERROR
20916 \fi
20917 \edef\next{\write\@auxout
20918 {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}}%

```



```

20919                                     {\bidi@column@type}}}%
20920 \next
20921 }
20922
20923 \AtEndDocument{\def\bidi@set@column@status#1#2{%
20924     \ifnum #2=\bidi@current@column@status\else
20925         \@tempwattrue
20926         \fi}%
20927 }
20928 \fi
20929
20930 \def\RTL@outputdblcol{%
20931     \if@firstcolumn
20932         \global\@firstcolumnfalse
20933         \global\setbox\@leftcolumn\copy\@outputbox
20934         \splitmaxdepth\maxdimen
20935         \vbadness\maxdimen
20936         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20937         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20938         \toks@\expandafter{\topmark}%
20939         \xdef\@firstcoltopmark{\the\toks@}%
20940         \toks@\expandafter{\splitfirstmark}%
20941         \xdef\@firstcolfirstmark{\the\toks@}%
20942         \ifx\@firstcolfirstmark\@empty
20943             \global\let\@setmarks\relax
20944         \else
20945             \gdef\@setmarks{%
20946                 \let\firstmark\@firstcolfirstmark
20947                 \let\topmark\@firstcoltopmark}%
20948         \fi
20949     \else
20950         \global\@firstcolumntrue
20951         \setbox\@outputbox\vbox{%
20952             \hb@xt@\textwidth{%
20953                 \hskip \columnwidth
20954                 \hfil
20955                 {\normalcolor\vrule \@width\columnseprule}%
20956                 \hfil
20957                 \hb@xt@\columnwidth{%
20958                     \bidi@firstcolumn@status@write%
20959                     \box\@leftcolumn \hss}%
20960                 \hskip -\textwidth
20961                 \hb@xt@\columnwidth{%
20962                     \bidi@lastcolumn@status@write%
20963                     \box\@outputbox \hss}%
20964                 \hskip \columnsep
20965                 \hskip \columnwidth }}%
20966         \@combinedblfloats
20967         \@setmarks
20968         \@outputpage

```



```

20969 \begingroup
20970 \@dblfloatplacement
20971 \@startdblcolumn
20972 \@whiles\if@fcolmade \fi{\@outputpage
20973 \@startdblcolumn}%
20974 \endgroup
20975 \fi}%
20976
20977 \def\LTR@outputdblcol{%
20978 \if@firstcolumn
20979 \global\@firstcolumnfalse
20980 \global\setbox\@leftcolumn\copy\@outputbox
20981 \splitmaxdepth\maxdimen
20982 \vbadness\maxdimen
20983 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20984 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20985 \toks@\expandafter{\topmark}%
20986 \xdef\@firstcoltopmark{\the\toks@}%
20987 \toks@\expandafter{\splitfirstmark}%
20988 \xdef\@firstcolfirstmark{\the\toks@}%
20989 \ifx\@firstcolfirstmark\@empty
20990 \global\let\@setmarks\relax
20991 \else
20992 \gdef\@setmarks{%
20993 \let\firstmark\@firstcolfirstmark
20994 \let\topmark\@firstcoltopmark}%
20995 \fi
20996 \else
20997 \global\@firstcolumntrue
20998 \setbox\@outputbox\vbox{%
20999 \hb@xt@\textwidth{%
21000 \hb@xt@\columnwidth{%
21001 \bidi@firstcolumn@status@write%
21002 \box\@leftcolumn \hss}%
21003 \hfil
21004 {\normalcolor\vrule \@width\columnseprule}%
21005 \hfil
21006 \hb@xt@\columnwidth{%
21007 \bidi@lastcolumn@status@write%
21008 \box\@outputbox \hss}}}%
21009 \@combinedblfloats
21010 \@setmarks
21011 \@outputpage
21012 \begingroup
21013 \@dblfloatplacement
21014 \@startdblcolumn
21015 \@whiles\if@fcolmade \fi{\@outputpage
21016 \@startdblcolumn}%
21017 \endgroup
21018 \fi}%

```




```

21019
21020
21021 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
21022 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
21023 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
21024
21025 \bidi@patchcmd\@makecol{%
21026   \ifvoid\footins
21027     \setbox\@outputbox \box\@cclv
21028   \else
21029     \setbox\@outputbox \vbox {%
21030       \boxmaxdepth \@maxdepth
21031       \unvbox \@cclv
21032       \vskip \skip\footins
21033       \color@begingroup
21034         \normalcolor
21035         \footnoterule
21036         \unvbox \footins
21037       \color@endgroup
21038     }%
21039   \fi
21040 }{%
21041   \ifvoid\footins
21042     \ifvoid\@bidi@copyins@
21043       \setbox\@outputbox \box\@cclv
21044     \else
21045       \setbox\@outputbox \vbox {%
21046         \boxmaxdepth \@maxdepth
21047         \unvbox \@cclv
21048         \vskip \skip\@bidi@copyins@
21049         \color@begingroup
21050           \normalcolor
21051           \unvbox \@bidi@copyins@
21052         \color@endgroup
21053       }%
21054     \fi
21055   \else
21056     \setbox\@outputbox \vbox {%
21057       \boxmaxdepth \@maxdepth
21058       \unvbox \@cclv
21059       \vskip \skip\footins
21060       \color@begingroup
21061         \normalcolor
21062         \footnoterule
21063         \unvbox \footins
21064       \color@endgroup
21065     \ifvoid\@bidi@copyins@
21066     \else
21067       \vskip \skip\@bidi@copyins@
21068       \color@begingroup

```



```

21069         \normalcolor
21070         \unvbox \@bidi@copyins@
21071         \color@endgroup
21072     \fi
21073 }%
21074 \fi
21075 }{}{}
21076
21077 \def\LTRmarginpar{%
21078     \ifhmode
21079         \@bsphack
21080         \@floatpenalty -\@Mii
21081     \else
21082         \@floatpenalty-\@Miii
21083     \fi
21084     \ifinner
21085         \@parmoderr
21086         \@floatpenalty\z@
21087     \else
21088         \@next\@currbox\@freelist{}{}%
21089         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21090         {\@floatpenalty\z@
21091         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21092     \fi
21093     \@ifnextchar [\@LTRxmpar\@LTRympar}
21094 \long\def\@LTRxmpar[#1]#2{%
21095     \@LTRsavemarbox\@marbox{#1}%
21096     \@LTRsavemarbox\@currbox{#2}%
21097     \@xympar}
21098 \long\def\@LTRympar#1{%
21099     \@LTRsavemarbox\@marbox{#1}%
21100     \global\setbox\@currbox\copy\@marbox
21101     \@xympar}
21102 \long\def \@LTRsavemarbox #1#2{%
21103     \global\setbox #1%
21104         \color@vbox
21105         \vtop{%
21106             \hsize\marginparwidth
21107             \@parboxrestore
21108             \LTRmarginparreset
21109             #2%
21110             \@minipagefalse
21111             \outer@nobreak
21112         }%
21113     \color@endbox
21114 }
21115 \def \LTRmarginparreset {%
21116     \reset@font
21117     \normalsize
21118     \@minipagetrue

```



```

21119         \everypar{\@minipagefalse\everypar{}\beginL}%
21120 }
21121 \def\RTLmarginpar{%
21122   \ifhmode
21123     \@bsphack
21124     \@floatpenalty -\@Mii
21125   \else
21126     \@floatpenalty-\@Miii
21127   \fi
21128   \ifinner
21129     \@parmoderr
21130     \@floatpenalty\z@
21131   \else
21132     \@next\@currbox\@freelist{}\{}%
21133     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21134     {\@floatpenalty\z@
21135       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21136   \fi
21137   \@ifnextchar [\@RTLxmpar\@RTLympar}
21138 \long\def\@RTLxmpar[#1]#2{%
21139   \@RTLSavemarbox\@marbox{#1}%
21140   \@RTLSavemarbox\@currbox{#2}%
21141   \@xympar}
21142 \long\def\@RTLympar#1{%
21143   \@RTLSavemarbox\@marbox{#1}%
21144   \global\setbox\@currbox\copy\@marbox
21145   \@xympar}
21146 \long\def \@RTLSavemarbox #1#2{%
21147   \global\setbox #1%
21148     \color@vbox
21149     \vtop{%
21150       \hsize\marginparwidth
21151       \@parboxrestore
21152       \@RTLmarginparreset
21153       #2%
21154       \@minipagefalse
21155       \outer@nobreak
21156     }%
21157   \color@endbox
21158 }
21159 \def \@RTLmarginparreset {%
21160   \reset@font
21161   \normalsize
21162   \@minipagetrue
21163   \everypar{\@minipagefalse\everypar{}\beginR}%
21164 }
21165 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
21166   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
21167   \if@twocolumn
21168     \if@firstcolumn \@tempcnta\m@ne \fi

```



```

21169 \else
21170 \if@mparswitch
21171 \ifodd\c@page \else\@tempcnta\m@ne \fi
21172 \fi
21173 \if@reversemargin \@tempcnta -\@tempcnta \fi
21174 \fi
21175 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
21176 \@tempdima\@mparbottom
21177 \advance\@tempdima -\@pageht
21178 \advance\@tempdima\ht\@marbox
21179 \ifdim\@tempdima >\z@
21180 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
21181 \else
21182 \@tempdima\z@
21183 \fi
21184 \global\@mparbottom\@pageht
21185 \global\advance\@mparbottom\@tempdima
21186 \global\advance\@mparbottom\dp\@marbox
21187 \global\advance\@mparbottom\marginparpush
21188 \advance\@tempdima -\ht\@marbox
21189 \global\setbox \@marbox
21190 \vbox {\vskip \@tempdima
21191 \box \@marbox}%
21192 \global \ht\@marbox \z@
21193 \global \dp\@marbox \z@
21194 \kern -\@pagedp
21195 \nointerlineskip
21196 \hb@xt@\columnwidth
21197 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
21198 \hskip\columnwidth \hskip\marginparsep
21199 \else
21200 \hskip -\marginparsep \hskip -\marginparwidth
21201 \fi
21202 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
21203 \nointerlineskip
21204 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
21205 \long\def\@ympar#1{%
21206 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
21207 \global\setbox\@currbox\copy\@marbox
21208 \@xympar}
21209 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
21210 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
21211 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
21212 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
21213 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
21214 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
21215 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
21216 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
21217 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
21218 \fi}

```



```

21219
21220 \newcommand*{\bidi@font@@outputpage}{\}
21221
21222 \def\@outputpage{%
21223 \begingroup          % the \endgroup is put in by \aftergroup
21224 \let \protect \noexpand
21225 \@resetactivechars
21226 \global\let\@@if@newlist@if@newlist
21227 \global\@newlistfalse
21228 \@parboxrestore
21229 \global\let\bidi@BeforeOutputPageShipOut\@firstofone
21230 \bidi@beforeoutputpageshipouthook
21231 \shipout \vbox{%
21232   \set@typeset@protect
21233   \aftergroup \endgroup
21234   \aftergroup \set@typeset@protect
21235                               % correct? or just restore by ending
21236                               % the group?
21237 \if@specialpage
21238   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
21239 \fi
21240 \if@twoside
21241   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
21242   \if@RTLmain
21243     \let\@themargin\evensidemargin
21244   \else
21245     \let\@themargin\oddsidemargin
21246   \fi
21247 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
21248   \if@RTLmain
21249     \let\@themargin\oddsidemargin
21250   \else
21251     \let\@themargin\evensidemargin
21252   \fi
21253 \fi
21254 \ifx\@thehead\@empty \let\@thehead\hfil \fi
21255 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
21256 \else %% not @twoside
21257   \ifx\@oddhead\@empty \let\@thehead\hfil \fi
21258   \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
21259 \fi
21260 \reset@font
21261 \normalsize
21262 \bidi@font@@outputpage
21263 \normalsfcodes
21264 \let\label\@gobble
21265 \let\index\@gobble
21266 \let\glossary\@gobble
21267 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
21268 \@beginndvi

```



```

21269 \vskip \topmargin
21270 \moveright\themargin \vbox {%
21271   \global\let\bidibeforeheader\@firstofone
21272   \bidibeforeheaderhook
21273   \setbox\tempboxa \vbox to\headheight{%
21274     \vfil
21275     \color@hbox
21276     \normalcolor
21277     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTL
21278     \color@endbox
21279   }%
21280   \dp\tempboxa \z@
21281   \box\tempboxa
21282   \vskip \headsep
21283   \global\let\bidibeforeOutputBoxOutputPage\@firstofone
21284   \bidibeforeoutputboxoutputpagehook
21285   \box\outputbox
21286   \global\let\bidiafterOutputBoxOutputPage\@firstofone
21287   \bidiafteroutputboxoutputpagehook
21288   \global\let\bidibeforeFooter\@firstofone
21289   \bidibeforefooterhook
21290   \baselineskip \footskip
21291   \color@hbox
21292   \normalcolor
21293   \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL
21294   \color@endbox
21295   \global\let\bidiafterFooter\@firstofone
21296   \bidiafterfooterhook
21297 }%
21298 }%
21299 \global\let\bidiafterOutputPageShipOut\@firstofone
21300 \bidiafteroutputpageshipouthook
21301 \global\let\if@newlist\@if@newlist
21302 \global \colht \textheight
21303 \stepcounter{page}%
21304 \let\firstmark\botmark
21305 \global\let\bidiatEndOutputPage\@firstofone
21306 \bidiatendoutputpagehook
21307 }
21308 \long\def\@makecaption#1#2{%
21309   \vskip\abovecaptionskip
21310   \sbox\tempboxa{#1: #2}%
21311   \ifdim \wd\tempboxa >\hsize
21312     \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
21313   \else
21314     \global \@minipagefalse
21315     \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\tempboxa\hfil\if@RTL\endR\fi}%
21316     \fi
21317   \vskip\belowcaptionskip}
21318 \let\bidisaved@eqno=\eqno

```



```

21319 \let\bidisaved@leqno=\leqno
21320 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
21321 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
21322 \ifpackageloaded{amsmath}{%
21323 \def\eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
21324 }
21325 \input{footnote-xetex-bidi.def}
21326 \if@twocolumn
21327 \let\autofootnoterule\relax
21328 \let\leftfootnoterule\relax
21329 \let\rightfootnoterule\relax
21330 \textwidthfootnoterule
21331 \fi
21332 \if@bidi@csundef{@idxitem}{%
21333 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p}%
21334 }
21335 \ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
21336 \ifclassloaded{article}{\ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
21337 \ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
21338 \ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
21339 \ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
21340 \ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
21341 \ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
21342 \ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
21343 \ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
21344 \ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
21345 \ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
21346 \ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
21347 \ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
21348 \ifclassloaded{report}{\ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
21349 \ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
21350 \ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
21351 \ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
21352 \ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
21353 \ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
21354 \ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
21355 \ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
21356 \ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
21357 \ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
21358 \ifclassloaded{book}{\ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
21359 \ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
21360 \ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
21361 \ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
21362 \ifpackageloaded{amsmath}{%
21363 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
21364 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
21365 }
21366 \ifpackageloaded{mathtools}{%
21367 \RequirePackage{graphicx}%
21368 \input{mathtools-xetex-bidi.def}%

```



```

21369 }{}
21370 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
21371 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
21372 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
21373 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
21374 \@ifpackagewith{algorithm2e}{algonl}{%
21375 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{AlgoLine}}
21376 }{}
21377 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
21378 \@ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
21379 \@ifpackagewith{algorithm2e}{algosection}{\renewcommand{\algocf@within}{section}}{}
21380 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
21381 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
21382 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
21383 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
21384 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
21385 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
21386 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
21387 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
21388 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}{}
21389 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
21390 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
21391 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
21392 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
21393 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
21394 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}}{}
21395 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
21396 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
21397 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
21398 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
21399 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
21400 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
21401 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
21402 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
21403 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
21404 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
21405 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
21406 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
21407 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
21408 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
21409 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
21410 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
21411 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
21412 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
21413 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
21414 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
21415 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
21416 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
21417 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
21418 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}

```




```

21419 \ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
21420 \ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
21421 \ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
21422 \ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
21423 \ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
21424 \iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
21425 \iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
21426 \ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
21427 \ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
21428 \ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
21429 \ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
21430 \ifpackagewith{sidecap}{innercaption}{%
21431 \ifRTL \renewcommand*{\SC@FLOAT}[2]{%
21432 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {{#1}\hspace{\sidecaptionsep}{#2}}
21433 \renewcommand*{\SC@justify@caption{%
21434 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21435 \renewcommand*{\SC@FLOAT}[2]{%
21436 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {{#2}\hspace{\sidecaptionsep}{#1}}
21437 \renewcommand*{\SC@justify@caption{%
21438 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
21439 }{}
21440 \ifpackagewith{sidecap}{rightcaption}{%
21441 \ifRTL\renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21442 \def\SC@justify@caption{\RaggedLeft}\else%
21443 \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21444 \def\SC@justify@caption{\RaggedRight}\fi%
21445 }{}
21446 \ifpackagewith{sidecap}{leftcaption}{%
21447 \ifRTL \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21448 \def\SC@justify@caption{\RaggedRight}\else%
21449 \renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21450 \def\SC@justify@caption{\RaggedLeft}\fi%
21451 }{}
21452 \ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
21453 \ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
21454 \ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
21455 \ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
21456 \ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
21457 \ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
21458 \ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
21459 \ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
21460 \ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
21461 \ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
21462 \ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
21463 \ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
21464 \ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
21465 \ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
21466 \ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
21467 \ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
21468 \ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}

```



```

21469 \ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
21470 \ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
21471 \ifpackageloaded{tocbibind}{\ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
21472 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
21473 \ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
21474 \ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

128 File xltextra-xetex-bidi.def

```

21475 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for
21476 \let\@@XeTeX\XeTeX
21477 \def\XeTeX{\@ensure@LTR{\@@XeTeX}}
21478 \let\@@XeLaTeX\XeLaTeX
21479 \def\XeLaTeX{\@ensure@LTR{\@@XeLaTeX}}

```

129 Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in *roman* refer to the code lines where the entry is used.

Symbols	\@@@bidi@AfterClass	\@@bidi@AfterClass
\# . . . 3058, 3104, 3213, 3221	. . . . . 3983, 3988	. . . . . 3982, 3999
\% 11411	\@@@bidi@AfterPackage	\@@bidi@AfterPackage
\' . . . 11531, 13685, 15681	. . . . . 4028, 4032	. . . . . 4027, 4042
\(. 13786	\@@H@@footnotetext	\@@bidi@PreventPackageFromLoading
\) 13787	. . . . . 8830, 8845	. . . 4073, 4075, 4077
\, 5297, 11794,	\@@H@@mpfootnotetext	\@@bidi@pop . . . 3691,
16275, 16318,	. . . . . 8833, 8851	3694, 3695, 3698, 3700
20261, 20272, 20652	\@@HLTR@@LTRfootnotetext	\@@bidi@popinto . . .
\- 1774, 11530, 13684, 15680	. . . . . 8831, 8847	. . . 3691, 3694, 3695
\. 93, 296, 579,	\@@HLTR@@mpLTRfootnotetext	\@@clr . . 20456, 20461,
711, 974, 1224,	. . . . . 8834, 8853	20464, 20466,
1773, 6491, 6679,	\@@HRTL@@RTLfootnotetext	20467, 20469,
6991, 8512, 8786,	. . . . . 8832, 8849	20499, 20504,
10620, 12858,	\@@HRTL@@mpRTLfootnotetext	20507, 20509,
15075, 15843,	. . . . . 8835, 8855	20510, 20512, 20531
16237, 16434,	\@@LTR 15531,	\@@cls 20451, 20494
16637, 17045,	15533, 20612, 20614	\@@date . . 5914, 5917, 5920
17625, 18308, 18966	\@@LaTeX . . . 20617, 20618	\@@end 3353, 3354
\ / 2040	\@@LaTeXe . . 20619, 20620	\@@endpbox . . . 13560,
\: 13828, 13887	\@@RTL 15530,	18679, 18717, 20842
\< 18603	15533, 20611, 20614	\@@footstart@@v@l .
\= . . . 11531, 13685, 15681	\@@TeX 15534,	. 9060, 10210, 10268
\> 18604	15535, 20615, 20616	\@@if@newlist . 10942,
\@ 3128	\@@XeLaTeX . 21478, 21479	10974, 21226, 21301
\@@ 18782, 18784	\@@XeTeX . . . 21476, 21477	\@@input 3881, 3898
	\@@author 5913, 5916, 5919	\@@italiccorr



... 336, 7035, 13665	\@LTRbibitemfalse	\@LTRmarginparreset
\@@line 9154,	..... 20666, 20668	..... 21108, 21115
9158, 16663,	\@LTRbibitemtrue 20667	\@LTRmarginpartrue 21210
16672, 16710,	\@LTRbidityftesidenotesidebox	\@LTRmarginparbox 21095,
16721, 20794,	... 5413, 5472, 5476	21096, 21099, 21102
20795, 20797,	\@LTRbidityftesidenotesmarginparreset	21093, 21094
20798, 20800, 20801	..... 5048, 5055	\@LTRYmpar . 21093, 21098
\@@makecaption	\@LTRbidityftesidenotesavenbox	5, 92, 105, 201, 225,
.. 17087, 17166,	..... 5035,	295, 551, 615, 616,
17188, 17667,	5036, 5039, 5042	640, 744, 867, 922,
17746, 17768,	\@LTRbidityftesidenotesexmpar	923, 996, 1116,
18350, 18429, 18451	..... 5033, 5034	1117, 1123, 1246,
\@@makefnmark . 16809,	\@LTRbidityftesidenotesympar	2103, 2108, 5644,
16811, 17358,	..... 5033, 5038	6412, 6413, 6419,
17360, 17928,	\@LTRfootgroupv01 .	6533, 6589, 6590,
17929, 18057, 18059	..... 9053,	6596, 6710, 6760,
\@@math 7026	9061, 10208, 10266	6955, 6963, 7030,
\@@mix 20455, 20498	\@LTRfootnotetext 64,	8479, 8492, 8749,
\@@mod .. 20456, 20460,	81, 155, 156, 157,	8758, 9154, 9158,
20461, 20464,	266, 284, 2176,	10586, 10594,
20465, 20466,	2298, 5342, 5425,	10915, 12857,
20469, 20499,	5432, 6148, 6159,	12871, 12895,
20503, 20504,	6372, 6386, 7984,	14728, 14740,
20507, 20508,	7985, 8831, 8846,	14752, 15619,
20509, 20512, 20531	8847, 8917, 8965,	15741, 15742,
\@@par 13683,	8973, 9170, 9279,	15766, 15876,
15679, 16270,	9382, 9491, 9600,	16015, 16138,
16313, 16792,	9709, 9818, 9927,	16191, 16192,
16799, 17341,	10036, 10195,	16253, 16254,
17348, 17914,	10253, 11197,	16608, 16616,
17919, 18040,	11203, 11247,	18773, 18877,
18047, 18891,	11273, 11331,	18918, 19052,
18893, 20733, 20848	11356, 11362,	19083, 19106,
\@@para@footstart@@v01	12297, 12325,	19123, 19140,
..... 10210, 10268	12404, 12423,	19157, 19174,
\@@protect 2989	12617, 12621,	19191, 19209,
\@@startpbox .. 13559,	12641, 12642,	19228, 19248,
18679, 18717, 20842	13620, 13741,	19283, 19616,
\@@title . 5912, 5915, 5918	14869, 14870,	20077, 20191, 20873
\@@tmp 20460,	14871, 16774,	\@MM ... 41, 55, 71, 244,
20461, 20466,	16780, 17093,	258, 273, 7982,
20467, 20469,	17094, 17104,	8003, 8050, 8057,
20470, 20503,	17323, 17329,	8102, 8109, 9081,
20504, 20509,	17673, 17674,	11220, 11237, 11253
20510, 20512,	17684, 18022,	\@Mi 7026, 13634
20513, 20531, 20532	18028, 18356,	\@Mii . 2251, 4976, 5020,
\@@underline 20815, 20817, 20819	18357, 18367,	5064, 7505, 7514,
\@DEBUGfalse 2320	18748, 18765, 18857	7524, 7679, 7688,
\@False 7014, 7016	\@LTRmarginparfalse	7698, 21080, 21124
	..... 21209, 21211	\@Miii 2253, 4978, 5022,



5066, 21082, 21126	11215, 11248,	1587, 1864, 1868
\@RTL@footnotefalse	11291, 11305,	\@RTLmaintrue . 1586, 1867
... 1700, 11040,	12852, 13174,	\@RTLmarginparfalse
11207, 15514,	13197, 13201,	..... 21210, 21211
15519, 20595, 20600	13208, 13217,	\@RTLmarginparreset
\@RTL@footnotetrue	13674, 14481,	..... 21152, 21159
... 1698, 11040,	15066, 15230,	\@RTLmarginpartrue 21209
11206, 15516,	15278, 15476,	\@RTLSavemarbox 21139,
15518, 20597, 20599	15510, 15514,	21140, 21143, 21146
\@RTLbibitemfalse	15519, 15568,	\@RTLtabfalse .. 402,
..... 20667, 20668	15832, 16226,	1562, 1670, 20589,
\@RTLbibitemstrue 20666	16420, 16623,	20595, 20600,
\@RTLbidityftesidenote@sidenote	17023, 17603,	20748, 20766, 20853
... 5442, 5473, 5477	18286, 18952,	\@RTLtabtrue
\@RTLbidityftesidenotemarginparreset	20588, 20588,	.... 1561, 1668,
..... 5092, 5099	20595, 20600,	20580, 20597,
\@RTLbidityftesidenotesavemarbox	20748, 20766,	20599, 20636,
..... 5079,	21206, 21277, 21293	20643, 20757, 20775
5080, 5083, 5086	\@RTLfootnotetext 48,	\@RTLtrue 36, 50, 87, 239,
\@RTLbidityftesidenotexmpar	80, 159, 160, 161,	253, 290, 565, 700,
..... 5077, 5078	251, 283, 2177,	963, 1213, 1656,
\@RTLbidityftesidenoteympar	2299, 5360, 5454,	1662, 1680, 2546,
..... 5077, 5082	5461, 6149, 6160,	6480, 6668, 6977,
\@RTLcolumnfootnotesfalse	6373, 6387, 8005,	7035, 7037, 8501,
..... 8983	8006, 8832, 8848,	8772, 8891, 8905,
\@RTLcolumnfootnotestrue	8849, 8903, 8966,	8932, 8954, 9184,
..... 8982	8974, 9171, 9280,	9204, 9229, 9254,
\@RTLfalse 36,	9383, 9492, 9601,	9293, 9311, 9335,
66, 87, 239, 268,	9710, 9819, 9928,	9358, 9396, 9416,
290, 565, 700,	10037, 10196,	9441, 9466, 9505,
963, 1213, 1658,	10254, 11188,	9525, 9550, 9575,
1664, 1682, 2546,	11194, 11231,	9614, 9634, 9658,
6480, 6668, 6977,	11272, 11332,	9683, 9723, 9743,
6996, 7008, 7021,	11371, 11377,	9767, 9792, 9832,
8501, 8772, 8891,	12296, 12314,	9852, 9877, 9902,
8919, 8932, 8943,	12389, 12424,	9941, 9961, 9986,
9184, 9194, 9229,	12616, 12620,	10011, 10050,
9241, 9293, 9302,	12638, 12639,	10070, 10095,
9335, 9346, 9396,	13621, 13742,	10120, 10419,
9406, 9441, 9453,	14873, 14874,	10439, 10609,
9505, 9515, 9550,	14875, 16775,	11215, 11232,
9562, 9614, 9624,	16784, 17095,	11277, 11305,
9658, 9670, 9723,	17096, 17106,	12852, 13174,
9733, 9767, 9779,	17324, 17333,	13197, 13208,
9832, 9842, 9877,	17675, 17676,	13217, 13677,
9889, 9941, 9951,	17686, 18023,	14481, 15066,
9986, 9998, 10050,	18032, 18358,	15477, 15502,
10060, 10095,	18359, 18369,	15516, 15518,
10107, 10429,	18749, 18766, 18858	15832, 16226,
10448, 10609,	\@RTLmainfalse . 1583,	16420, 16623,



17023,	17603,	15848,	15849,	\@addtofilelist 3881,3897
18286,	18952,	15850,	15851,	\@addtopreamble ...
20554,	20579,	15853,	15855,	... 1401,1464,7108
20597,	20599,	15857,	16212,	\@addtoreset
20757,	20775,	16213,	16214,	... 332,10885,
21206,	21277, 21293	16215,	16216,	15107, 15113, 15115
\@RTLxmpar . 21137, 21138		16218,	16220,	\@addviper 7452
\@RTLympar . 21137, 21142		16222,	16407,	\@afterheading
\@SepMark 19,		16409,	16411,	. 561,2086,2096,
20, 21, 22, 168,		16412,	16413,	8489, 8497, 13697
214, 215, 216, 217,		16414,	16415,	\@afterindentfalse
334, 343, 539, 540,		16416,	16589,	.. 2086,2096,13696
541, 542, 693, 694,		16591,	16593,	\@afterindenttrue .
695, 696, 947, 948,		16595,	16596,	.. 640,867,1123,
949, 950, 1206,		16597,	16598,	5643, 6419, 6596,
1207, 1208, 1209,		16599,	16997,	14727, 14739,
6506, 6507, 6508,		16998,	17000,	14751, 15766,
6509, 6510, 6512,		17002,	17004,	16138, 19051,
6514, 6516, 6683,		17545,	17548,	19082, 19105,
6684, 6685, 6686,		17550,	17554,	19122, 19139,
6687, 6689, 6691,		17556,	17558,	19156, 19173,
6693, 6934, 6936,		17560,	17564,	19190, 19208,
6938, 6940, 6941,		17566,	17572,	19227, 19247,
6942, 6943, 6944,		17574,	17580,	19282, 19615,
8612, 8613, 8614,		17582,	18244,	20070, 20190, 20872
8615, 8728, 8730,		18246,	18249,	\@algocf@finish ... 179
8732, 8734, 8735,		18251,	18253,	\@algocf@start 171
8736, 8737, 8738,		18255,	18258,	\@ampacol 1428,1436
10712, 10713,		18262,	18266,	\@arabic 168,
10714, 10715,		19026,	19270,	539, 540, 541, 542,
10716, 10718,		20663, 20665, 21375		567, 574, 693, 694,
10720, 10722,	\@True ... 7009,7015,7047			695, 696, 702, 709,
10882, 10888,	\@Undottedtocline 14735			947, 948, 949, 950,
11010, 11012,	\@Undottedtoclinep 14747			965, 972, 1206,
11014, 11016,	\@acci 11531,13685,15681			1207, 1208, 1209,
11017, 11018,	\@accii 11531,13685,15681			1215, 1222, 2558,
11019, 11020,	\@acciii 11531,13685,15681			6482, 6489, 6506,
11023, 11025,				6507, 6508, 6509,
11027, 11029,	\@acol 1430,1438,2185,			6510, 6512, 6514,
11030, 11031,	13556, 18663,			6516, 6670, 6677,
11032, 11033,	20645, 20825, 20851			6683, 6684, 6685,
12908, 12909,	\@acolampacol .. 1428,			6686, 6687, 6689,
12910, 12911,	1430, 1436, 1438			6691, 6693, 6934,
13234, 14368,	\@addamp 1429,1437			6936, 6938, 6939,
14370, 14372,	\@addfield 21215			6940, 6941, 6942,
14374, 14376,	\@addmarginpar ... 21165			6943, 6944, 6979,
14377, 14379,	\@address 2438,			6986, 8503, 8510,
14380, 14381,	7839,7840,7937,7939			8612, 8613, 8614,
15109, 15117,	\@addresscolour 2407,			8615, 8728, 8730,
15119, 15847,	2424, 7838, 7936			8732, 8733, 8734,



8735, 8736, 8737,	18249, 18251,	16284, 16298,
8738, 8774, 8781,	18253, 18255,	16339, 16360,
10611, 10618,	18259, 18263,	16471, 16485,
10712, 10713,	18267, 18289,	16521, 16542,
10714, 10715,	18305, 18954, 18961	16866, 16929,
10716, 10718,	\@argdef 2949	16980, 17415,
10720, 10722,	\@array 377, 398, 1363,	17478, 17529,
11010, 11012,	1364, 18700, 20831	18114, 18177, 18228
11014, 11015,	\@arrayacol 20851	\@auxout . . 1718, 1722,
11016, 11017,	\@arrayclassiv . . . 20852	2601, 6319, 20917
11018, 11019,	\@arrayclassz	\@badmath . . 10847, 10861
11020, 11023,	. 1428, 18704, 20851	\@begin@tempboxa . .
11025, 11027,	\@arraycr 397, 13565, 20853	. . . . . 11807,
11028, 11029,	\@arrayleft 390	11903, 11910, 20733
11030, 11031,	\@arrayparboxrestore	\@begin@dv . 10913, 21268
11032, 11033,	. . . . . 13623, 15676	\@begin@parpenalty .
13234, 13236,	\@arrayright 399	. . . . . 2099,
14368, 14370,	\@arrayrule 1383, 1384,	2108, 10850, 10864
14372, 14374,	1385, 1421, 1422, 1423	\@bib@break
14376, 14379,	\@arstdepth . . . . .	. 17018, 17598, 18281
14380, 14381,	. 18697, 18702, 18720	\@biblabel . . 89, 292,
15834, 15841,	\@arstheight 18702, 18720	567, 568, 702, 703,
15847, 15848,	\@arstrut 387,	965, 966, 1215,
15849, 15850,	13579, 18678, 20841	1216, 6482, 6483,
15851, 15853,	\@arstrutbox . . . 380,	6670, 6671, 6979,
15855, 15857,	13567, 13624,	6980, 8503, 8504,
16212, 16213,	18671, 18712,	8774, 8775, 10611,
16214, 16215,	18716, 18720, 20834	10612, 12854,
16216, 16218,	\@author 421,	15068, 15834,
16220, 16222,	435, 471, 492, 755,	15835, 16228,
16228, 16235,	757, 775, 820, 839,	16229, 16422,
16407, 16409,	1007, 1009, 1027,	16423, 16625,
16411, 16412,	1072, 1091, 1257,	16626, 17026,
16413, 16414,	1259, 1277, 1322,	17028, 17606,
16415, 16416,	1342, 1353, 1985,	17608, 18289,
16422, 16429,	5845, 5847, 5916,	18291, 18954, 18955
16589, 16591,	6544, 6546, 6564,	\@bibsetup 15068
16593, 16594,	6721, 6723, 6741,	\@bibtitlestyle . . .
16595, 16596,	6816, 6830, 6866,	. . . . . 84, 287, 12849
16597, 16598,	6887, 8539, 8551,	\@bidi@stpelt
16599, 16625,	8585, 8604, 8634,	. . . 3421, 3427, 3431
16632, 16998,	8648, 8684, 8705,	\@bidi@AfterClass .
17000, 17002,	10639, 10651,	. . . . . 3983,
17004, 17026,	10685, 10704,	4004, 4009, 4016
17042, 17552,	14337, 15887,	\@bidi@AfterPackage
17554, 17556,	15889, 15907,	. . . . . 4028,
17558, 17560,	15952, 15971,	4047, 4051, 4058
17568, 17576,	16026, 16028,	\@bidi@EqualStringX
17584, 17606,	16048, 16095,	. . . 3486, 3487, 3488
17622, 18247,	16117, 16128,	



\@bidi@PreventPackageFromLoading	2675, 2677, 2678, 2679	1807, 1912, 1924
... 4068, 4069, 4071	\@bidi@fi 3567,	\@bidi@perpage@footnotefalse
\@bidi@UnPreventPackageFromLoading	68, 3569, 3570,	..... 1750
... 4160, 4161, 4164	3574, 3575, 3579,	\@bidi@perpage@footnotetrue
\@bidi@after@Hy@hyperfootnotes	3580, 3584, 3585,	..... 1748
..... 8840,	3590, 3591, 3595, 3596	\@bidi@prepend@to@cslist
8978, 9179, 9288,	\@bidi@ifnxtc . . . . .	... 3635, 3683, 3685
9391, 9500, 9609,	... 3534, 3537, 3538	\@bidi@removefromreset
9718, 9827, 9936,	\@bidi@info 1499, 1523,	... 2776, 2777, 2779
10045, 10214, 10276	1525, 1821, 1845, 1847	\@bidi@replacefilewithext
\@bidi@append@to@cslist	\@bidi@inslogo@ . . .	... 3945, 3949, 3952
... 3633, 3637, 3643	... 1602, 1731,	\@bidi@saveprimitive
\@bidi@append@to@list	1733, 1883, 1908, 1933	..... 2637
..... 3637,	\@bidi@list@minipage@parbox@not@nobtrue	\@bidi@stepcounter
3639, 3641, 3644, 3651	... 11320, 20721	..... 3420, 3426
\@bidi@before@Hy@hyperfootnotes	\@bidi@list@minipage@parbox@true	\@bidi@tabular@RTLcases
..... 8826,	. 11321, 20725, 20728	. 20634, 20636, 20643
8971, 9168, 9277,	\@bidi@logo 1618,	\@bidi@todonotes@align
9380, 9489, 9598,	1637, 1891, 1907	..... 20237,
9707, 9816, 9925,	\@bidi@logo@	20238, 20270,
10034, 10193, 10247	... 1602, 1634,	20311, 20314,
\@bidi@copy@stacktop	1733, 1883, 1907, 1908	20317, 20320,
..... 3697, 3700	\@bidi@logo@hb@xt@	20345, 20350, 20351
\@bidi@copyins@ 1598,	..... 1884, 1907	\@bidi@todonotes@figposition@rightfalse
1599, 1600, 1601,	\@bidi@logo@hb@xt@columnwidth	..... 20252
1602, 1879, 1880,	..... 1603, 1635	\@bidi@todonotes@figposition@righttrue
1881, 1882, 1883,	\@bidi@lst@makecaption	..... 20250
9064, 9066, 9069,	..... 13171,	\@bidi@todonotes@textdirection
11559, 11560,	13187, 13188,	.. 20239, 20243,
11561, 11562,	13219, 13220,	20246, 20350, 20351
11572, 11573,	13221, 13225, 13227	\@bidi@todonotes@textdirection@RTLfalse
11621, 11622,	\@bidi@mdf@RTLtrue 13673	..... 20245
11678, 11679,	\@bidi@patch@AfterPackage	\@bidi@todonotes@textdirection@RTLtrue
11680, 11681,	..... 4353, 4356	..... 20242
11698, 11699,	\@bidi@pdfcreator .	\@bidi@unreplacefilewithext
11717, 11726,	..... 1573,	... 3954, 3960, 3963
11738, 11744,	1806, 1909, 1923	\@bidi@void@@mpfootinsfalse
11748, 11760,	\@bidi@pdfcustomproperties	..... 9120
11762, 11765,	..... 1579,	\@bidi@void@@mpfootinstrue
11796, 14897,	1809, 1915, 1926	..... 9118
14898, 14987,	\@bidi@pdfencryptfalse	\@bidi@void@footinsfalse
15543, 15545,	..... 1786	..... 10521, 10535
15546, 21042,	\@bidi@pdfencrypttrue	\@bidi@void@footinstrue
21048, 21051,	..... 1788, 1791	..... 10518, 10533
21065, 21067, 21070	\@bidi@pdfm@markfalse	\@bidi@w@w 3616
\@bidi@emptytoks . .	..... 1740, 1931	\@bidi@ww 3610
... 2650, 2655, 2679	\@bidi@pdfm@marktrue	\@bideclaredcolor
\@bidi@envbody . . . .	..... 1738, 1930	..... 7160,
... 2649, 2651,	\@bidi@pdfproducer	1767, 20491, 20520
2653, 2654, 2655,	..... 1576,	



\@bidituftelTRSidenote@normal@float@justification	\@bidituftesidenote@LTRsidenote@font
..... 5208,	..... 5109, 5118
5287, 5407, 5436,	\@bidituftesidenote@RTLcitation@font
5465, 5487, 5496, 5505	..... 5116, 5125
\@biditufterTLsidenote@normal@float@label	\@bidituftesidenote@RTLmargin@font
..... 5227,	..... 5107,
5288, 5408, 5437,	\@bidituftesidenote@RTLmarginnote@font
5466, 5488, 5497, 5506	... 5113, 5122, 5502
\@bidituftefloat@caption	\@bidituftesidenote@RTLsidenote@font
..... 4581, 4614	..... 5110, 5119
\@bidituftefloat@caption@box	\@bidituftesidenote@add@citation
4573, 4638, 4649,	..... 5249, 5282
4650, 4673, 4908, 4913	\@bidituftesidenote@check@multiple@sidenotes
\@bidituftefloat@caption@fill	\@bidituftesidenote@citation@font
..... 4522,	..... 5307, 5315
4531, 4532, 4913	\@bidituftesidenote@citation@font
\@bidituftefloat@caption@float	..... 5114,
4487, 4488, 4542,	5123, 5195, 5233, 5261
4739, 4910, 4916, 4929	\@bidituftesidenote@citation@justification
\@bidituftefloat@caption@justification...	..... 5128, 5262
... 4429, 4545, 4739	\@bidituftesidenote@citations
\@bidituftefloat@caption@overhang	.... 5248, 5250,
.... 4576, 4577,	5251, 5253, 5258,
4585, 4649, 4650, 4677	5267, 5386, 5415,
\@bidituftefloat@check@pkname	5444, 5483, 5492, 5501
..... 4504, 4601	\@bidituftesidenote@infotnote@cite
\@bidituftefloat@figure@box	5281, 5385, 5414,
..... 4572,	5443, 5482, 5491, 5500
4631, 4649, 4650, 4672	\@bidituftesidenote@justification@autodetect
\@bidituftefloat@float@contents@float@stored@label	..... 5126,
..... 4593,	5127, 5128, 5129
4629, 4630, 4632	\@bidituftesidenote@margin@par
\@bidituftefloat@float@debug	shortcaption.... 5130,
.... 4562, 4568,	5263, 5330, 5348,
4570, 4571, 4603,	5366, 5484, 5493, 5502
4604, 4607, 4609,	\@bidituftesidenote@margin@font
4610, 4687, 4694,	..... 5105,
4701, 4702, 4705, 4706	\@bidituftesidenote@margin@font
\@bidituftefloat@float@debug@info	newlinetospace@i. 5111, 5120, 5484
.... 4561, 4563,	\@bidituftesidenote@marginnote@justification
4564, 4565, 4662, 4669	..... 5127,
\@bidituftefloat@float@fullwidth	5484, 5493, 5502
..... 4649, 4697	\@bidituftesidenote@normal@cite
\@bidituftefloat@float@textwidth	..... 5189,
..... 4650, 4679	5286, 5406, 5435,
\@bidituftefloat@fps	5464, 5486, 5495, 5504
..... 4591, 4606	\@bidituftesidenote@print@citations
\@bidituftefloat@fullwidth	5109, 5112, 5115
..... 4521,	\@bidituftesidenote@RTLmarginnote@font
4527, 4528, 4529, 4629	... 5112, 5121, 5493



\@bidityftesidenote@sidenote@captionabovefalse	... 5384, 5471, 5475	17206, 17786, 18469	\@chapterlistsgap@on	..... 15108, 15116
\@bidityftesidenote@sidenote@captionabovetrue	..... 5280	17204, 17784, 18467	\@chclass	.. 345, 357,
\@bidityftesidenote@sidenote@captiontype	..... 5108,	2238, 2286, 4543,		368, 1370, 1382,
	5117, 5293, 5294, 5297	14456, 14460,		1395, 1415, 1420,
\@bidityftesidenote@sidenote@justification	... 5126, 5293, 5294	14461, 16690	\@checkend	.... 2668,
\@bidityftesidenote@sidenote@verticaloffset	..... 5381,	10530, 11693,		2692, 4238, 4239
	5382, 5388, 5390,	11705, 11739,	\@chnum	. 346, 353, 364,
	5396, 5403, 5417,	11742, 11743,		1371, 1378, 1391,
	5419, 5425, 5432,	11753, 11754,		1401, 1417, 1418,
	5446, 5448, 5454, 5461	13638, 13643,		1419, 1432, 1440,
\@bidityftesidenote@trim@b	..... 5159, 5166	13655, 15537,		1466, 7110, 18802,
\@bidityftesidenote@trim@c	... 5163, 5166, 5171	21027, 21031,		18809, 18824,
\@bidityftesidenote@trim@spaces	5148, 5151, 5200,	21043, 21047, 21058	\@circlefnt	..... 10741
	5202, 5219, 5221,	\@cclvi		..... 2187,
	5238, 5240, 5270, 5272	10239, 10299, 10301		13557, 18665,
\@bidityftesidenotemarginparreset	..... 5004, 5011	\@centercr	\@classx	. 1398, 1457, 7104
\@bidityftesidenotesavemabox	..... 4991,	5717, 15627,	\@classz	..... 1398,
	4992, 4995, 4998	15640, 15653,		1457, 1491, 1492,
\@bidityftesidenotexmpar	..... 4989, 4990	18870, 18899, 20784		2186, 7104, 13557,
\@bidityftesidenoteympar	..... 4989, 4994	\@cftasnum		18664, 18704,
\@bidityftetoc@lof@line	..... 5636, 5652	... 19056,	\@cleartopmattertags	..... 129, 12931
\@bidityftetoc@pkgname	..... 5512, 5513	19087, 19110,	\@cliptoboxdim	... 18831
\@bidiundeclaredcolor	.... 7160, 7161,	19127, 19144,	\@clsextension	....
	20491, 20492, 20531	19161, 19178,		3952, 3963, 3979,
\@bscontmark	..... 14360	19195, 19213,		3989, 3998, 4001, 4010
\@bsmarkseries	... 14341	19232, 19252, 19287	\@clubpenalty	.....
\@bsmtitleempty	... 14329	\@cftasnumb		. 577, 6989, 8784,
\@bsphack	.....	... 19057,		16432, 16635, 18964
	2250, 4975, 5019,	19088, 19111,	\@colht	..... 7529,
	5063, 21079, 21123	19128, 19145,		7530, 7540, 7541,
\@bsthanksheadpost	14343	19162, 19179,		7548, 7563, 7597,
\@bsthanksheadpre	14343	19196, 19214,		7600, 7622, 7623,
\@caption	.....	19233, 19253, 19288		7692, 7704, 7705,
	. 4730, 14463, 14466	\@cftbsnum		7715, 7716, 7723,
		... 19055,		7740, 7744, 10480,
		19086, 19109,		10936, 11671,
		19126, 19143,		11683, 11684,
		19160, 19177,		11685, 11687,
		19194, 19212,		11689, 11777,
		19231, 19251, 19286		13649, 13650,
		\@cftdopartfalse		14504, 14507,
		. 19029		14509, 14511,
		\@cftdoparttrue		14516, 14517,
		... 19032, 19036		
		\@cftl@subfig		
		.... 19220		
		\@cftl@subtab		
		.... 19240		
		\@chapapp		
		. 6755, 6950,		
		8744, 10582, 16604		
		\@chapterlistsgap@off		
		..... 15101		



14518, 14537,	\@contfield	9363, 9400, 9410,
14538, 14539,	. . . 6336, 6351, 6383	9420, 9446, 9459,
14543, 14604,	\@contfinal	9471, 9509, 9519,
14607, 14609,	. . 14399, 14411,	9529, 9555, 9568,
14611, 14616,	14417, 14423, 14427	9580, 9618, 9628,
14617, 14618,	\@contfmark . 14398, 14401	9638, 9664, 9677,
14637, 14638,	\@contfnote . 14397, 14400	9689, 9727, 9737,
14639, 14643, 21302	\@contindw 14422	9747, 9773, 9786,
\@colourfalse 2350	\@contnfont	9798, 9836, 9846,
\@colourgreenfalse	. . 14399, 14410,	9856, 9882, 9895,
. 7757, 7855	14414, 14421, 14426	9907, 9945, 9955,
\@colourgreentru .	\@contpost 14431	9965, 9991, 10004,
. 7758, 7856	\@contpre 14409,	10016, 10054,
\@colourgreyfalse .	14415, 14420, 14425	10064, 10074,
. 7761, 7859	\@conttfont	10100, 10113,
\@colourgreytrue . .	. . 14399, 14411,	10125, 10320,
. 7762, 7860	14417, 14423, 14427	10332, 10344,
\@colourorangefalse	\@curfield	10381, 10395,
. 7755, 7853	6335, 6350, 6370,	10409, 11222,
\@colourorangetru	6384, 6394, 21215	11239, 11255,
. 7756, 7854	\@curline 6333,	11283, 11297, 11311
\@colourredfalse . .	6348, 21215, 21217	\@currentlabelname
. 7759, 7857	\@currbox . 2258, 2289,	. . . . . 12384,
\@colourredtrue 7760, 7858	2293, 4940, 4943,	12399, 12414,
\@colourtrue 2349	4984, 4987, 4992,	12473, 12511,
\@colroom 7518,	4996, 5028, 5031,	12544, 12575, 12606
7541, 7544, 7546,	5036, 5040, 5072,	\@currenvir
7547, 7716, 7719,	5075, 5080, 5084,	2654, 2657, 2658,
7721, 7722, 8017,	21088, 21091,	2678, 2681, 2682, 2709
8074, 11671,	21096, 21100,	\@currlist 21165
11685, 11688,	21132, 21135,	\@curtabmar . 21214, 21217
11690, 13649, 13658	21140, 21144,	\@cvtheme 2430, 2433
\@combinedblfloats	21166, 21175, 21207	\@cvthemeoptions . .
. . . . 7373, 7432,	\@currentHlabel . . .	. . . . . 2431, 2433
10800, 10836,	. 12382, 12397, 12412	\@date . . 424, 436, 472,
10917, 11604,	\@currentHref	495, 763, 765, 777,
11657, 14568,	. . 12383, 12398,	822, 842, 1015,
14665, 20966, 21009	12413, 12472,	1017, 1029, 1074,
\@combinefloats . . .	12510, 12543,	1094, 1265, 1267,
. 10475, 11773	12574, 12605,	1279, 1324, 1345,
\@compactenum@ 5699	12827, 12838, 12840	1354, 1986, 5863,
\@cons 21165, 21166	\@currentlabel . . 43,	5917, 6552, 6554,
\@contcshortstyle 14411	57, 73, 246, 260,	6566, 6729, 6731,
\@contcstyle	275, 5332, 5350,	6743, 6819, 6831,
. 14416, 14422, 14427	5368, 8897, 8911,	6867, 6890, 8542,
\@contcwidth 14405, 14406	8925, 8937, 8948,	8552, 8586, 8607,
\@contdelim	8959, 9188, 9198,	8637, 8649, 8685,
. . 14399, 14410,	9208, 9234, 9247,	8708, 8793, 8798,
14414, 14421, 14426	9259, 9297, 9306,	10642, 10652,
	9315, 9340, 9352,	10686, 10707,



12940,	12945,	\@docolbox 10990	\@empty 86, 115, 134, 136,
14338,	15895,	\@dodynamictheft 10914	289, 397, 434, 435,
15897,	15909,	\@dodynamicthehead 10914	436, 437, 470, 471,
15954,	15974,	\@dofilelist	472, 473, 573, 708,
16034,	16036,	. . . 4249, 4250, 4252	774, 775, 776, 777,
16050,	16097,	\@dotsep 20088,	819, 820, 821, 822,
16120,	16129,	20089, 20197, 20879	971, 1026, 1027,
16287,	16299,	\@dottedtocline . . .	1028, 1029, 1071,
16340,	16362,	. . 20203, 20204,	1072, 1073, 1074,
16474,	16486,	20206, 20224, 20868	1221, 1276, 1277,
16522,	16545,	\@dseries 7021	1278, 1279, 1321,
16870,	16930,	\@eha 2645, 19274	1322, 1323, 1324,
16984,	17419,	\@ehc 2748, 2750,	1733, 1908, 1984,
17479,	17533,	2756, 2758, 2764,	1985, 1986, 1987,
18000,	18001,	2766, 2772, 2774,	2245, 2557, 2566,
18004,	18009,	2965, 3822, 10186,	2666, 2690, 3652,
18118, 18178, 18232		13140, 13147,	4065, 4078, 4079,
\@datefield 17940		13636, 14710, 14716	4085, 4108, 4138,
\@dblarg 14463		\@ehd 14457	4146, 4165, 4168,
\@dblfloatplacement		\@eightcolfootgroupv@r	4179, 4183, 4193,
. . . . 7377, 7436,		. . . . . 9823	4199, 4200, 4201,
10801, 10840,		\@eightcolLTRfootfmt	4214, 4226, 4230,
10924, 11608,		. . . 9849, 9870, 9898	4297, 4308, 5191,
11661, 14572,		\@eightcolLTRfootnotetext	5210, 5229, 5250,
14669, 20970, 21013		. . . . . 9818, 9842	5257, 5845, 5912,
\@declaredcolor 7145,		\@eightcolRTLfootfmt	5913, 5914, 6488,
7146, 20448, 20471		. . . 9859, 9873, 9910	6563, 6564, 6565,
\@dedication		\@eightcolRTLfootnotetext	6566, 6676, 6740,
. . 16886, 16888,		. . . . . 9819, 9852	6741, 6742, 6743,
16939, 16987,		\@eightcolfootfmt .	6829, 6830, 6831,
16989, 17435,		. . . 9839, 9867, 9885	6832, 6865, 6866,
17437, 17488,		\@eightcolfootnotetext	6867, 6868, 6985,
17536, 17538,		. . . . . 9817, 9832	7011, 7341, 7404,
18134, 18136,		\@elt 2778, 2781,	8044, 8096, 8509,
18187, 18235, 18237		4828, 4829, 4830,	8550, 8551, 8552,
\@dedicatory 323		4831, 4832, 4833,	8553, 8584, 8585,
\@deferlist 11669		4834, 4835, 4836,	8586, 8587, 8647,
\@definitionfileextension		4837, 4838, 4839,	8648, 8649, 8650,
. 2723, 2726		4869, 4870, 4871,	8683, 8684, 8685,
\@depth . . . 382, 13569,		4872, 4873, 4874,	8686, 8780, 8791,
18644, 18673,		4875, 4876, 4877,	8807, 8811, 10316,
18713, 20836, 21204		4878, 4879, 4880,	10328, 10340,
\@dgroup 7008		4881, 4882, 4883,	10371, 10390,
\@dischyp		4884, 4885, 4886,	10404, 10474,
. 11530, 13684, 15680		7047, 7983, 8004,	10617, 10650,
\@displaypagenumbersfalse		8010, 8045, 8047,	10651, 10652,
. 2529		8049, 8055, 8067,	10653, 10684,
\@displaypagenumberstrue		8097, 8099, 8101,	10685, 10686,
. 2528		8107, 18732, 18734	10687, 10780,
\@dmath 6996, 7025		\@email . . 2442, 7845, 7943	10816, 11367,



11382,	11582,	17393,	17398,	11908, 11925, 20746
11631,	11669,	17405,	17411,	\@endfloatbox 2310
11772,	11787,	17435,	17477,	\@endmodernpoem 6346, 6366
11788,	11789,	17478,	17479,	\@endparenv 6250,
11790,	11791,	17480,	17481,	6363, 15142, 15162
12384,	12399,	17482,	17483,	\@endparpenalty 2103,
12414,	12473,	17484,	17485,	2112, 10851, 10865
12511,	12544,	17486,	17487,	\@endpbox
12575,	12606,	17488,	17506,	1408, 1409, 1450,
12851,	12917,	17510,	17518,	1474, 1475, 1476,
12938,	12980,	17524,	17536,	7118, 7119, 7120,
13192,	13198,	17590,	17621,	13554, 13560,
13221,	13225,	17646,	17647,	18679, 18717, 20842
13227,	13583,	17913,	17941,	\@endtraditionalpoem
14335,	14336,	17942,	17943,	. . . . . 6230, 6302
14337,	14338,	17944,	17945,	\@ensure@LR . 15527, 20608
14497,	14597,	17946,	17947,	\@ensure@LTR . . 15525,
15095,	15585,	17948,	17952,	15527, 15535,
15840,	15906,	17958,	17964,	20606, 20608,
15907,	15908,	17970,	17976,	20616, 20618,
15909,	15951,	17982,	17988,	20620, 21477, 21479
15952,	15953,	17994,	18000,	\@ensure@RL . 15526, 20607
15954,	16047,	18009,	18039,	\@ensure@RTL . . 15524,
16048,	16049,	18092,	18097,	15526, 20605, 20607
16050,	16094,	18104,	18110,	\@ensure@dir . . 15528,
16095,	16096,	18134,	18176,	15529, 20609, 20610
16097,	16234,	18177,	18178,	\@ensure@maindir . .
16297,	16298,	18179,	18180,	. . . . . 15529, 20610
16299,	16300,	18181,	18182,	\@enumctr 5700, 5701
16338,	16339,	18183,	18184,	\@eqnnum
16340,	16341,	18185,	18186,	. 10872, 12934, 21323
16428,	16484,	18187,	18205,	\@evenfoot
16485,	16486,	18209,	18217,	. 1948, 10907, 21247
16487,	16520,	18223,	18235,	\@evenhead . 10906, 21247
16521,	16522,	18273,	18304,	\@expandtwoargs . . . 4184
16523,	16631,	18329,	18330,	\@extrafootnotefeaturesfalse
16791,	16844,	18602,	18719,	. . . . . 1712
16849,	16856,	18767,	18960,	\@extrafootnotefeaturetrue
16862,	16886,	19260,	19262,	. . . . . 1710
16928,	16929,	20451,	20454,	\@extrainfo
16930,	16931,	20494,	20497,	. . . 2443, 7846, 7944
16932,	16933,	20634,	20844,	\@extratitle
16934,	16935,	20853,	20942,	. . 16844, 16845,
16936,	16937,	20989,	21254,	16933, 16957,
16938,	16939,	21255, 21257, 21258		16958, 17393,
16957,	16961,	\@emptycol 7533,		17394, 17482,
16969,	16975,	7536, 7552, 7555,		17506, 17507,
16987,	17011,	7708, 7711, 7727, 7730		18092, 18093,
17041,	17066,	\@emptytoks 7010		18181, 18205, 18206
17067,	17340,	\@end@tempboxa 11814,		



\@familyname	11617, 14487,	\@fivecolLTRfootfmt
2375, 2377, 2378,	14587, 20932, 20979	. . . 9522, 9543, 9571
2436, 7820, 7910, 7931	\@firstcolumntrue .	\@fivecolLTRfootnotetext
\@familynamecolour	7349, 7412, 7702,	. . . . . 9491, 9515
. 2405, 2422	10787, 10824,	\@fivecolRTLfootfmt
\@fax 2441, 7844, 7942	10895, 11592,	. . . 9532, 9546, 9583
\@fcolmadefalse . . 11670	11641, 14546,	\@fivecolRTLfootnotetext
\@ff@do@allframes .	14646, 20950, 20997	. . . . . 9492, 9525
. 10916, 10921	\@firstdetailselementfalse	\@fivecolfootfmt . .
\@ff@fbox 10999	. . . . . 7925	. . . 9512, 9540, 9558
\@ff@setoffset . . . 10996	\@firstdetailselementtrue	\@fivecolfootnotetext
\@ffbackground . . . 10986	. . . . . 7922	. . . . . 9490, 9505
\@filebordercolor .	\@firstfooterelementfalse	\@float 4574, 4903
. 12685, 12687	. . . . 7841, 7842,	\@floatboxreset . . . 2308
\@filecolor 12703	7843, 7844, 7845, 7846	\@floatpenalty . 2251,
\@filef@und . . . 3881, 3898	\@firstfooterelementtrue	2253, 2256, 4976,
\@finalstrut . . . 8875,	. . . . . 7826	4978, 4982, 4986,
8881, 8887, 11227,	\@firstname	5020, 5022, 5026,
11244, 11260,	2375, 2377, 2378,	5030, 5064, 5066,
11287, 11301, 11315	2435, 7820, 7910, 7931	5070, 5074, 21080,
\@firstampfalse 1430, 1438	\@firstnamecolour .	21082, 21086,
\@firstcolfirstmark	. . . . . 2404, 2421	21090, 21124,
. 7340,	\@firstofone . . . 3297,	21126, 21130, 21134
7341, 7345, 7403,	3304, 3310, 3321,	\@fltovf
7404, 7408, 10779,	3335, 3341, 3349,	2291, 4987, 5031,
10780, 10784,	3355, 4351, 10944,	5075, 21091, 21135
10815, 10816,	10962, 10966,	\@flushglue 6132, 6133,
10820, 11581,	10969, 10972,	13690, 16396,
11582, 11586,	10978, 12809,	19618, 19622,
11630, 11631,	12810, 12811,	19626, 19672, 20784
11635, 14496,	12812, 14461,	\@fnsymbol . 446, 738,
14497, 14501,	17166, 17746,	797, 990, 1049,
14596, 14597,	18429, 21229,	1240, 1299, 1972,
14601, 20941,	21271, 21283,	6527, 6704, 6841,
20942, 20946,	21286, 21288,	8562, 8659, 10662,
20988, 20989, 20993	21295, 21299, 21305	15870, 15929,
\@firstcoltopmark .	\@firstoftwo . . . 1529,	16009, 16070,
. . . . 7338, 7346,	1535, 1541, 2787,	16266, 16309,
7401, 7409, 10777,	2795, 2799, 2807,	16496, 16841,
10785, 10813,	2811, 2819, 2825,	16905, 17390,
10821, 11579,	2829, 2842, 2850,	17454, 18089, 18153
11587, 11628,	2856, 2860, 2868,	\@footgroupv@r . 9057,
11636, 14494,	2874, 2877, 2880,	9146, 9175, 9284,
14502, 14594,	2894, 2901, 3074,	9387, 9496, 9605,
14602, 20939,	3092, 3098, 3122,	9714, 9823, 9932,
20947, 20986, 20994	3149, 3179, 3239,	10041, 10201, 10259
\@firstcolumnfalse	3249, 3889, 15076	\@footnote 5794
7331, 7394, 7748,	\@fivecol@footgroupv@r	\@footnotemark . 2218,
10771, 10807,	. . . . . 9496	2226, 2234, 5303,
10931, 11568,		5396, 5403, 5425,



5432, 5454, 5461, 6284, 6291, 6298, 11188, 11194, 11197, 11203, 12425, 12614, 12618, 12632, 12633	..... 9382, 9406	2741, 3429, 12997
\@footnotetext .. 34, 79, 151, 152, 153, 237, 282, 2175, 2297, 5324, 5396, 5403, 6147, 6158, 6371, 6385, 7963, 7964, 8830, 8844, 8845, 8889, 8964, 8972, 9169, 9278, 9381, 9490, 9599, 9708, 9817, 9926, 10035, 10194, 10249, 10251, 11214, 11271, 11330, 12295, 12303, 12374, 12422, 12615, 12619, 12635, 12636, 13619, 13740, 14865, 14866, 14867, 16773, 16776, 17091, 17092, 17102, 17322, 17325, 17671, 17672, 17682, 18021, 18024, 18354, 18355, 18365, 18747, 18764, 18854, 18856	\@fourcolRTLfootfmt ... 9423, 9437, 9474 \@fourcolRTLfootnotetext 9383, 9416 \@fourcolfootfmt 9403, 9431, 9449 \@fourcolfootnotetext 9381, 9396 \@fps 2239, 2240, 2242, 2245, 2262 \@fpsadddefault 2243, 2246 \@freelist 2258, 4828, 4869, 4984, 4985, 5028, 5029, 5072, 5073, 10473, 11771, 21088, 21089, 21132, 21133, 21165, 21166 \@fs@capt 4917, 4930, 4938 \@fs@cfont 4910, 4916, 4926, 4929, 4937, 10876, 10877 \@fs@iftopcapt 4921, 4934, 4947 \@fs@mid . 4920, 4933, 4945 \@fs@post 4919, 4932, 4946 \@fs@pre . 4918, 4931, 4939 \@g@tnextcol 10893 \@getcirc 10737 \@gnewline ... 15629, 15642, 15655, 15666 \@gobble .. 2155, 2665, 2689, 2711, 2716, 3202, 3203, 3204, 3205, 3206, 3299, 3312, 3327, 3369, 3383, 3395, 3409, 4095, 4230, 4407, 5967, 6032, 10954, 10955, 10956, 14458, 17092, 17094, 17096, 17672, 17674, 17676, 18355, 18357, 18359, 20455, 20498, 21264, 21265, 21266 \@gobbletwo	\@gtempa 2918, 2919 \@halignto 386, 401, 18677, 18715, 20634, 20840, 20853 \@hangfrom ... 17119, 17131, 17133, 17699, 17711, 17713, 18382, 18394, 18396, 20808 \@hboxRconstructfalse 15493, 20570 \@hboxRconstructtrue 397, 15483, 18684, 18723, 20560, 20849 \@height 381, 1488, 7132, 11511, 13568, 13624, 13710, 16819, 16826, 17368, 17375, 18067, 18074, 18644, 18672, 18713, 20835, 21204 \@highpenalty .. 6433, 6449, 6456, 6466, 6610, 6626, 6633, 6643, 6897, 6912, 6922, 8715, 10550, 10565, 10575, 15780, 15796, 15803, 15813, 16152, 16168, 16175, 16185, 16368, 16382, 16392, 16552, 16567, 16577, 19042, 19077, 19466, 19486, 19574 \@hintcolour .. 2412, 2428 \@holdpg .. 7463, 7469, 7476, 7487, 7497, 7597, 7598, 7600, 7603, 7607, 7612, 7617, 7621, 7629, 7641, 7654, 7662, 7670 \@hyper@launch ... 12708 \@idxitem 102, 107, 222, 227, 596, 611, 860, 1112, 5758, 5765, 6408, 6585, 6796,
\@footnotetext .. 34, 79, 151, 152, 153, 237, 282, 2175, 2297, 5324, 5396, 5403, 6147, 6158, 6371, 6385, 7963, 7964, 8830, 8844, 8845, 8889, 8964, 8972, 9169, 9278, 9381, 9490, 9599, 9708, 9817, 9926, 10035, 10194, 10249, 10251, 11214, 11271, 11330, 12295, 12303, 12374, 12422, 12615, 12619, 12635, 12636, 13619, 13740, 14865, 14866, 14867, 16773, 16776, 17091, 17092, 17102, 17322, 17325, 17671, 17672, 17682, 18021, 18024, 18354, 18355, 18365, 18747, 18764, 18854, 18856	..... 9382, 9406	2741, 3429, 12997
\@footstartv@l 9052, 10209, 10267	\@fourcolRTLfootfmt ... 9423, 9437, 9474 \@fourcolRTLfootnotetext 9383, 9416 \@fourcolfootfmt 9403, 9431, 9449 \@fourcolfootnotetext 9381, 9396 \@fps 2239, 2240, 2242, 2245, 2262 \@fpsadddefault 2243, 2246 \@freelist 2258, 4828, 4869, 4984, 4985, 5028, 5029, 5072, 5073, 10473, 11771, 21088, 21089, 21132, 21133, 21165, 21166 \@fs@capt 4917, 4930, 4938 \@fs@cfont 4910, 4916, 4926, 4929, 4937, 10876, 10877 \@fs@iftopcapt 4921, 4934, 4947 \@fs@mid . 4920, 4933, 4945 \@fs@post 4919, 4932, 4946 \@fs@pre . 4918, 4931, 4939 \@g@tnextcol 10893 \@getcirc 10737 \@gnewline ... 15629, 15642, 15655, 15666 \@gobble .. 2155, 2665, 2689, 2711, 2716, 3202, 3203, 3204, 3205, 3206, 3299, 3312, 3327, 3369, 3383, 3395, 3409, 4095, 4230, 4407, 5967, 6032, 10954, 10955, 10956, 14458, 17092, 17094, 17096, 17672, 17674, 17676, 18355, 18357, 18359, 20455, 20498, 21264, 21265, 21266 \@gobbletwo	\@gtempa 2918, 2919 \@halignto 386, 401, 18677, 18715, 20634, 20840, 20853 \@hangfrom ... 17119, 17131, 17133, 17699, 17711, 17713, 18382, 18394, 18396, 20808 \@hboxRconstructfalse 15493, 20570 \@hboxRconstructtrue 397, 15483, 18684, 18723, 20560, 20849 \@height 381, 1488, 7132, 11511, 13568, 13624, 13710, 16819, 16826, 17368, 17375, 18067, 18074, 18644, 18672, 18713, 20835, 21204 \@highpenalty .. 6433, 6449, 6456, 6466, 6610, 6626, 6633, 6643, 6897, 6912, 6922, 8715, 10550, 10565, 10575, 15780, 15796, 15803, 15813, 16152, 16168, 16175, 16185, 16368, 16382, 16392, 16552, 16567, 16577, 19042, 19077, 19466, 19486, 19574 \@hintcolour .. 2412, 2428 \@holdpg .. 7463, 7469, 7476, 7487, 7497, 7597, 7598, 7600, 7603, 7607, 7612, 7617, 7621, 7629, 7641, 7654, 7662, 7670 \@hyper@launch ... 12708 \@idxitem 102, 107, 222, 227, 596, 611, 860, 1112, 5758, 5765, 6408, 6585, 6796,
\@footstartv@r 9056, 10202, 10260	..... 9382, 9406	2741, 3429, 12997
\@for 4106, 4167, 4180, 4202, 4206, 5192, 5197, 5211, 5216, 5230, 5235, 5258, 5267, 7309	\@fourcolRTLfootfmt ... 9423, 9437, 9474 \@fourcolRTLfootnotetext 9383, 9416 \@fourcolfootfmt 9403, 9431, 9449 \@fourcolfootnotetext 9381, 9396 \@fps 2239, 2240, 2242, 2245, 2262 \@fpsadddefault 2243, 2246 \@freelist 2258, 4828, 4869, 4984, 4985, 5028, 5029, 5072, 5073, 10473, 11771, 21088, 21089, 21132, 21133, 21165, 21166 \@fs@capt 4917, 4930, 4938 \@fs@cfont 4910, 4916, 4926, 4929, 4937, 10876, 10877 \@fs@iftopcapt 4921, 4934, 4947 \@fs@mid . 4920, 4933, 4945 \@fs@post 4919, 4932, 4946 \@fs@pre . 4918, 4931, 4939 \@g@tnextcol 10893 \@getcirc 10737 \@gnewline ... 15629, 15642, 15655, 15666 \@gobble .. 2155, 2665, 2689, 2711, 2716, 3202, 3203, 3204, 3205, 3206, 3299, 3312, 3327, 3369, 3383, 3395, 3409, 4095, 4230, 4407, 5967, 6032, 10954, 10955, 10956, 14458, 17092, 17094, 17096, 17672, 17674, 17676, 18355, 18357, 18359, 20455, 20498, 21264, 21265, 21266 \@gobbletwo	\@gtempa 2918, 2919 \@halignto 386, 401, 18677, 18715, 20634, 20840, 20853 \@hangfrom ... 17119, 17131, 17133, 17699, 17711, 17713, 18382, 18394, 18396, 20808 \@hboxRconstructfalse 15493, 20570 \@hboxRconstructtrue 397, 15483, 18684, 18723, 20560, 20849 \@height 381, 1488, 7132, 11511, 13568, 13624, 13710, 16819, 16826, 17368, 17375, 18067, 18074, 18644, 18672, 18713, 20835, 21204 \@highpenalty .. 6433, 6449, 6456, 6466, 6610, 6626, 6633, 6643, 6897, 6912, 6922, 8715, 10550, 10565, 10575, 15780, 15796, 15803, 15813, 16152, 16168, 16175, 16185, 16368, 16382, 16392, 16552, 16567, 16577, 19042, 19077, 19466, 19486, 19574 \@hintcolour .. 2412, 2428 \@holdpg .. 7463, 7469, 7476, 7487, 7497, 7597, 7598, 7600, 7603, 7607, 7612, 7617, 7621, 7629, 7641, 7654, 7662, 7670 \@hyper@launch ... 12708 \@idxitem 102, 107, 222, 227, 596, 611, 860, 1112, 5758, 5765, 6408, 6585, 6796,
\@fourcol@footgroupv@r 9387	..... 9382, 9406	2741, 3429, 12997
\@fourcolLTRfootfmt ... 9413, 9434, 9462	\@fourcolRTLfootfmt ... 9423, 9437, 9474 \@fourcolRTLfootnotetext 9383, 9416 \@fourcolfootfmt 9403, 9431, 9449 \@fourcolfootnotetext 9381, 9396 \@fps 2239, 2240, 2242, 2245, 2262 \@fpsadddefault 2243, 2246 \@freelist 2258, 4828, 4869, 4984, 4985, 5028, 5029, 5072, 5073, 10473, 11771, 21088, 21089, 21132, 21133, 21165, 21166 \@fs@capt 4917, 4930, 4938 \@fs@cfont 4910, 4916, 4926, 4929, 4937, 10876, 10877 \@fs@iftopcapt 4921, 4934, 4947 \@fs@mid . 4920, 4933, 4945 \@fs@post 4919, 4932, 4946 \@fs@pre . 4918, 4931, 4939 \@g@tnextcol 10893 \@getcirc 10737 \@gnewline ... 15629, 15642, 15655, 15666 \@gobble .. 2155, 2665, 2689, 2711, 2716, 3202, 3203, 3204, 3205, 3206, 3299, 3312, 3327, 3369, 3383, 3395, 3409, 4095, 4230, 4407, 5967, 6032, 10954, 10955, 10956, 14458, 17092, 17094, 17096, 17672, 17674, 17676, 18355, 18357, 18359, 20455, 20498, 21264, 21265, 21266 \@gobbletwo	\@gtempa 2918, 2919 \@halignto 386, 401, 18677, 18715, 20634, 20840, 20853 \@hangfrom ... 17119, 17131, 17133, 17699, 17711, 17713, 18382, 18394, 18396, 20808 \@hboxRconstructfalse 15493, 20570 \@hboxRconstructtrue 397, 15483, 18684, 18723, 20560, 20849 \@height 381, 1488, 7132, 11511, 13568, 13624, 13710, 16819, 16826, 17368, 17375, 18067, 18074, 18644, 18672, 18713, 20835, 21204 \@highpenalty .. 6433, 6449, 6456, 6466, 6610, 6626, 6633, 6643, 6897, 6912, 6922, 8715, 10550, 10565, 10575, 15780, 15796, 15803, 15813, 16152, 16168, 16175, 16185, 16368, 16382, 16392, 16552, 16567, 16577, 19042, 19077, 19466, 19486, 19574 \@hintcolour .. 2412, 2428 \@holdpg .. 7463, 7469, 7476, 7487, 7497, 7597, 7598, 7600, 7603, 7607, 7612, 7617, 7621, 7629, 7641, 7654, 7662, 7670 \@hyper@launch ... 12708 \@idxitem 102, 107, 222, 227, 596, 611, 860, 1112, 5758, 5765, 6408, 6585, 6796,
\@fourcolLTRfootnotetext	..... 9382, 9406	2741, 3429, 12997



12868, 12873,	4901, 4954, 8414,	13129, 15714,
15737, 15992,	8415, 9151, 10159,	15717, 18971,
16452, 19022, 21333	12419, 12439,	21374, 21377,
\@ifclasslater 4393, 4398	12517, 12816,	21378, 21379,
\@ifclassloaded ...	13214, 13339,	21430, 21440, 21446
.... 4013, 4392,	13596, 14437,	\@ifstar .. 3059, 3981,
4397, 4427, 5807,	17174, 17754,	4026, 4068, 4160,
5809, 6798, 8981,	18437, 18946,	4746, 8418, 8979,
11008, 11021,	20635, 21322,	9182, 9291, 9394,
21336, 21337,	21335, 21348,	9503, 9612, 9721,
21338, 21339,	21358, 21362,	9830, 9939, 10048,
21340, 21341,	21366, 21370,	10243, 10305, 11883
21342, 21343,	21371, 21372,	\@iftagsloaded
21344, 21345,	21373, 21380,	. 2725, 21363, 21364
21346, 21347,	21381, 21382,	\@iftexfileloaded .
21348, 21349,	21383, 21384,	. 2727, 21424, 21425
21350, 21351,	21385, 21386,	\@ifundefined .. 330,
21352, 21353,	21387, 21388,	331, 2532, 2746,
21354, 21355,	21389, 21390,	2749, 2754, 2757,
21356, 21357,	21391, 21392,	2762, 2765, 2770,
21358, 21359,	21393, 21394,	2773, 3970, 3974,
21360, 21361,	21395, 21396,	4124, 4217, 5138,
21388, 21471, 21472	21397, 21398,	5621, 5629, 5744,
\@ifdefinable .. 2906,	21399, 21400,	5746, 5751, 5841,
2909, 2912, 2921,	21401, 21402,	5858, 7147, 7154,
2952, 2967, 11111	21403, 21404,	7162, 7168, 10879,
\@ifdefinitionfileloaded	21405, 21406,	11104, 12819,
..... 2726, 21473	21407, 21408,	12820, 13150,
\@ifempty .. 7, 202, 12896	21409, 21410,	13161, 13224,
\@ifl@aded 2725, 2726, 2727	21411, 21412,	13226, 13231,
\@ifnextchar ... 163,	21413, 21414,	15249, 15711,
398, 2123, 2153,	21415, 21416,	19261, 19265,
2168, 2942, 3982,	21417, 21418,	19341, 19363,
3983, 4027, 4028,	21419, 21420,	19364, 19412,
4072, 4989, 5033,	21421, 21422,	19413, 19496,
5077, 7145, 7160,	21423, 21426,	19518, 19519,
11186, 11195,	21427, 21428,	19747, 19770,
11354, 11369,	21429, 21452,	19798, 19858,
11880, 12622,	21453, 21454,	19907, 19924, 19954
12646, 14877,	21455, 21456,	\@ifundefinedmodel
15146, 15166,	21457, 21458,	..... 20481, 20515
20448, 20491,	21459, 21460,	\@ifxempty 20541
20659, 21093, 21137	21461, 21462,	\@ignoretrue 7032
\@ifpackagelater ..	21463, 21464,	\@iiiminipage 11317
.. 4391, 4396, 11057	21465, 21466,	\@iiiparbox
\@ifpackageloaded .	21467, 21468,	. 9130, 11348, 20717
..... 170,	21469, 21470,	\@indextitlestyle .
1447, 3135, 4055,	21471, 21472, 21474	.... 100, 220, 12866
4115, 4350, 4368,	\@ifpackagewith ...	\@inlabeledfalse 6999
4390, 4395, 4896,	... 7286, 13126,	\@insertfalse . 7454, 7562



<code>\@inserttrue</code> . . . 7527, 7701	14656, 20933,	12883, 14342,
<code>\@iprintcites</code> 15621	20959, 20980, 21002	15930, 16071,
<code>\@itemfudge</code> . . 21214, 21216	<code>\@let@token</code> . . . 2702, 2705	16267, 16310,
<code>\@itemlabel</code> 20680	<code>\@lettrine</code> 12960	16497, 16842,
<code>\@ixpt</code> 5658	<code>\@listI</code> 4444	16843, 16906,
<code>\@keywords</code> 324	<code>\@listdepth</code>	16907, 17391,
<code>\@kludgeins</code> . . 10477, 11774	. . . 11170, 11333,	17392, 17455,
<code>\@komalongtablefalse</code>	11535, 11539,	17456, 18090,
. . 17174, 17754, 18437	20671, 20674, 20679	18091, 18154, 18155
<code>\@lastchclass</code> . . 346,	<code>\@listi</code> . . 4444, 4452, 5662	<code>\@makefntext</code> 45,
347, 348, 349, 351,	<code>\@loadwithoptions</code> .	59, 75, 248, 262,
1371, 1372, 1373,	. . . 3905, 3907, 3914	277, 448, 735, 800,
1374, 1376, 1415,	<code>\@lowertitleback</code> . .	987, 1050, 1237,
1416, 1428, 1436,	. . . . . 16883,	1302, 1974, 5297,
18802, 18803,	16938, 17432,	5336, 5354, 5372,
18804, 18805,	17487, 18131, 18186	6524, 6701, 6843,
18807, 20854, 20855	<code>\@lowpenalty</code> . 2099, 19997	8564, 8661, 10664,
<code>\@lastvipertrue</code> 7538,	<code>\@m</code> 93, 296, 579, 711, 974,	11226, 11243,
7557, 7713, 7732	1224, 6491, 6679,	11259, 11286,
<code>\@latex@error</code>	6991, 8512, 8786,	11300, 11314,
. . . . 2644, 4089,	10620, 11570,	11792, 14344,
14457, 14710, 14716	11572, 11619,	15867, 15932,
<code>\@latex@warning</code> . . .	11621, 12858,	16006, 16073,
. . . 95, 298, 581,	15075, 15843,	16269, 16312,
713, 976, 1226,	16237, 16434,	16498, 16789,
2562, 6493, 6681,	16637, 17045,	17338, 17912, 18037
6993, 8514, 8788,	17625, 18308, 18966	<code>\@makeother</code> 3058,
10622, 12860,	<code>\@mainaux</code> 15206	3104, 3213, 3221
15845, 16239,	<code>\@mainmatterfalse</code> .	<code>\@makeschapterhead</code>
16436, 16639,	. . . . . 5994,	6404, 6581, 6770,
17049, 17056,	6024, 6973, 8768	6791, 6959, 8754,
17629, 17636,	<code>\@mainmattertrue</code> . .	10590, 15733,
18312, 18319, 18968	. . . . . 5991, 6007	15988, 16447,
<code>\@latex@warning@no@line</code>	<code>\@makecaption</code>	16612, 18993, 18998
. . . . 7531, 7549,	. . . . 4741, 7093,	<code>\@makespecialcolbox</code>
7706, 7724, 21180	14394, 14444,	. . . . . 10478, 11775
<code>\@latexbug</code> 21166	14476, 17160,	<code>\@maketitle</code> 120,
<code>\@latexerr</code>	17740, 18423, 21308	316, 320, 453, 455,
. . 11708, 11718, 11728	<code>\@makechapterhead</code> .	460, 469, 479,
<code>\@leftcolumn</code> . . . 7332,	. . . . . 301, 6750,	804, 806, 811,
7358, 7395, 7417,	6945, 8739, 10578,	818, 828, 1056,
7570, 7598, 7604,	15612, 16600, 18987	1058, 1063, 1070,
7613, 10772,	<code>\@makecol</code> 10541, 10542,	1080, 1306, 1308,
10793, 10808,	11694, 11704,	1313, 1320, 1330,
10829, 11569,	13644, 13656, 21025	1977, 1983, 6848,
11597, 11618,	<code>\@makefnmark</code> . . . 447,	6850, 6855, 6864,
11650, 14488,	798, 1300, 1973,	6874, 8569, 8571,
14547, 14560,	5299, 5310, 6842,	8576, 8583, 8593,
14588, 14647,	7968, 7989, 8563,	8666, 8668, 8673,
	8660, 10663,	8682, 8692, 10669,



10671, 10676,	..... 12779, 12781	10043, 10212,
10683, 10693,	\@menucolor 12790	10274, 11289,
12922, 14347,	\@midlist 10473,	11331, 12325,
14349, 14356,	10474, 11771, 11772	12340, 12363,
15936, 15938,	\@minipagefalse ...	12427, 13741, 18857
15943, 15950,	..... 2312, 5006,	\@mpRTLfootnotetext
15960, 16077,	5015, 5050, 5059,	..... 8835, 8854,
16079, 16084,	5094, 5103, 9127,	8855, 8953, 8969,
16093, 16103,	11345, 13183,	8977, 9178, 9287,
16321, 16323,	14450, 17150,	9390, 9499, 9608,
16328, 16337,	17730, 18413,	9717, 9826, 9935,
16347, 16503,	21110, 21119,	10044, 10213,
16505, 16510,	21154, 21163, 21314	10275, 11275,
16519, 16529,	\@minipagerestore 11334	11332, 12314,
16910, 16912,	\@minipagetrue	12339, 12352,
16917, 16927,	..... 5014, 5058,	12428, 13742, 18858
16952, 17459,	5102, 21118, 21162	\@mparbottom
17461, 17466,	\@minus 2479, 2565, 4440,	.. 21176, 21184,
17476, 17501,	4442, 4449, 4451,	21185, 21186, 21187
18158, 18160,	4453, 4454, 5659,	\@mpargs 9130, 11323, 11348
18165, 18175, 18200	5661, 5663, 5664,	\@mparswitchfalse . 4423
\@maketitle@hook ..	11449, 11487,	\@mparswitchtrue .. 4418
..... 118, 12920	15072, 17273,	\@mpeightcol@footgroupv@r
\@makewincaption . 15340	17283, 17293,	..... 9829
\@marbox 4985,	17303, 17313,	\@mpeightcolLTRfootnotetext
4987, 4991, 4995,	17862, 17872,	..... 9825, 9888
4996, 5029, 5031,	17882, 17892,	\@mpeightcolRTLfootnotetext
5035, 5039, 5040,	17902, 18545,	..... 9826, 9901
5073, 5075, 5079,	18555, 18565,	\@mpeightcolfootnotetext
5083, 5084, 21089,	18575, 18585, 18609	..... 9824, 9876
21091, 21095,	\@mkboth 564,	\@mpfivecol@footgroupv@r
21099, 21100,	592, 608, 699, 857,	..... 9502
21133, 21135,	962, 1109, 1212,	\@mpfivecolLTRfootnotetext
21139, 21143,	6405, 6479, 6582,	..... 9498, 9561
21144, 21165,	6667, 6792, 6976,	\@mpfivecolRTLfootnotetext
21175, 21178,	8500, 8771, 10608,	..... 9499, 9574
21186, 21188,	15734, 15831,	\@mpfivecolfootnotetext
21189, 21191,	15989, 16225,	..... 9497, 9549
21192, 21193,	16419, 16448, 16622	\@mpfn 2193, 2196, 2199,
21202, 21206, 21207	\@mklab 20681	2215, 2223, 2231,
\@mathmargin ... 8370,	\@mkpream . 385, 13573,	5394, 5400, 5423,
8377, 8385, 8392	18675, 18707, 20838	5429, 5452, 5458,
\@maxdepth 9047, 10489,	\@mobile . 2439, 7842, 7940	6261, 6264, 6267,
10504, 10527,	\@modernpoem .. 6322, 6366	6281, 6288, 6295,
10540, 11785,	\@mpLTRfootnotetext	11186, 11191,
21030, 21046, 21057	..... 8834, 8852,	11195, 11200,
\@mentempa ... 14394,	8853, 8942, 8968,	11329, 11359,
14396, 14410,	8976, 9177, 9286,	11374, 12300,
14417, 14421, 14426	9389, 9498, 9607,	12311, 12322,
\@menubordercolor .	9716, 9825, 9934,	12522, 12553,



12584, 12647,	..... 9393	\@mpthreecol@footgroupv@r
13737, 18789, 18796	\@mpfourcolLTRfootnotetext	..... 9290
\@mpfootins .....	..... 9389, 9452	\@mpthreecolLTRfootnotetext
8932, 8933, 8943,	\@mpfourcolRTLfootnotetext	..... 9286, 9345
8944, 8954, 8955,	..... 9390, 9465	\@mpthreecolRTLfootnotetext
9091, 9099, 9107,	\@mpfourcolfootnotetext	..... 9287, 9357
9117, 9121, 9124,	..... 9388, 9440	\@mpthreecolfootnotetext
11277, 11278,	\@mplistdepth 11170, 11333	..... 9285, 9334
11291, 11292,	\@mpninelcol@footgroupv@r	\@mptwocol@footgroupv@r
11305, 11306,	..... 9938	..... 9181
11339, 11340,	\@mpninelcolLTRfootnotetext	\@mptwocolLTRfootnotetext
11343, 13726, 13731	..... 9934, 9997	..... 9177, 9240
\@mpfootinsv@l . 9089,	\@mpninelcolRTLfootnotetext	\@mptwocolRTLfootnotetext
9105, 9148, 10368,	..... 9935, 10010	..... 9178, 9253
10377, 10389, 10392	\@mpninelcolfootnotetext	\@mptwocolfootnotetext
\@mpfootinsv@r . 9088,	..... 9933, 9985	..... 9176, 9228
9147, 9229, 9230,	\@mppara@LTRfootgroupv@l	\@namedef . 3974, 4125,
9241, 9242, 9254,	..... 10218, 10280	6319, 9132, 9167,
9255, 9335, 9336,	\@mppara@footgroupv@r	9266, 9271, 9276,
9346, 9347, 9358,	..... 10217, 10279	9369, 9374, 9379,
9359, 9441, 9442,	\@mpparaLTRfootnotetext	9478, 9483, 9488,
9453, 9454, 9466,	. 10212, 10274, 10388	9587, 9592, 9597,
9467, 9550, 9551,	\@mpparaRTLfootnotetext	9696, 9701, 9706,
9562, 9563, 9575,	..... 10213, 10402	9805, 9810, 9815,
9576, 9659, 9660,	\@mpparafootnotetext	9914, 9919, 9924,
9671, 9672, 9684,	. 10211, 10272, 10363	10023, 10028,
9685, 9768, 9769,	\@mpsevenscol@footgroupv@r	10033, 10132,
9780, 9781, 9793,	..... 9720	10137, 10192,
9794, 9877, 9878,	\@mpsevenscolLTRfootnotetext	10246, 10417,
9889, 9890, 9902,	..... 9716, 9779	10427, 10437,
9903, 9986, 9987,	\@mpsevenscolRTLfootnotetext	10446, 10455,
9998, 9999, 10011,	..... 9717, 9792	10467, 13664,
10012, 10095,	\@mpsevenscolfootnotetext	19276, 19315,
10096, 10107,	..... 9715, 9767	19316, 19317,
10108, 10120,	\@mpsixcol@footgroupv@r	19318, 19319,
10121, 10366,	..... 9611	19320, 19321,
10375, 10403, 10406	\@mpsixcolLTRfootnotetext	19322, 19323,
\@mpfootnotetext ..	..... 9607, 9670	19324, 19342,
.... 8833, 8850,	\@mpsixcolRTLfootnotetext	19343, 19344,
8851, 8931, 8967,	..... 9608, 9683	19345, 19346,
8975, 9176, 9285,	\@mpsixcolfootnotetext	19347, 19348,
9388, 9497, 9606,	..... 9606, 9658	19349, 19350,
9715, 9824, 9933,	\@mptencol@footgroupv@r	19365, 19366,
10042, 10211,	..... 10047	19367, 19368,
10270, 10272,	\@mptencolLTRfootnotetext	19370, 19371,
11303, 11330,	..... 10043, 10106	19373, 19376,
12303, 12338,	\@mptencolRTLfootnotetext	19379, 19387,
12341, 12426,	..... 10044, 10119	19388, 19390,
13740, 18854, 18856	\@mptencolfootnotetext	19393, 19396,
\@mpfourcol@footgroupv@r	..... 10042, 10094	19409, 19414,



19415,	19416,	9813, 9916, 9917,	1383, 1384, 1385,
19418,	19419,	9921, 9922, 10025,	1418, 1421, 1422,
19421,	19424,	10026,	10030,
19427,	19435,	10031,	10134,
19436,	19438,	10135,	10139,
19441,	19444,	10140,	10418,
19456,	19497,	10424,	10428,
19498,	19499,	10434,	10438,
19500,	19501,	10443,	10447,
19502,	19503,	10452,	10899,
19504,	19505,	17547,	17563,
19520,	19521,	17571,	17579,
19522,	19523,	19005,	19277,
19525,	19526,	19278,	19279,
19528,	19531,	19282,	19285,
19534,	19542,	19290,	19291,
19543,	19545,	19296,	19300,
19548,	19551,	19301,	19303,
19564,	19748,	19304,	19306,
19749,	19750,	19307,	19309,
19751,	19752,	19310,	19312,
19753,	19754,	19313,	19320,
19755,	19756,	19325,	19326,
19795,	19799,	19409,	19456,
19800,	19801,	19460,	19461,
19802,	19804,	19473,	19480,
19805,	19807,	19481,	19564,
19810,	19813,	19568,	19569,
19821,	19822,	19588,	19603,
19824,	19827,	19606,	19608,
19830,	19855,	19611,	19614,
19859,	19860,	19631,	19632,
19861,	19863,	19634,	19635,
19864,	19866,	19645,	19647,
19869,	19872,	19649,	19650,
19880,	19881,	19652,	19654,
19883,	19886,	19655,	19664,
19889,	19909,	19666,	19670,
19912,	19916,	19671,	19675,
19956, 19959, 19963		19679,	19681,
\@nameuse . 3971, 6317,		19682,	19742,
8300, 8350, 8353,		19775,	19782,
8399, 9268, 9269,		19787,	19788,
9273, 9274, 9371,		19795,	19848,
9372, 9376, 9377,		19855,	19926,
9480, 9481, 9485,		20483, 20517, 21238	
9486, 9589, 9590,		\@ne 137,	
9594, 9595, 9698,		142, 346, 355, 358,	
9699, 9703, 9704,		452, 803, 1055,	
9807, 9808, 9812,		1305, 1371, 1380,	
			1383, 1384, 1385,
			1418, 1421, 1422,
			1423, 1770, 1775,
			1776, 2268, 2570,
			2598, 2633, 3552,
			3703, 3774, 3835,
			4332, 4341, 6847,
			7297, 8568, 8665,
			10668, 11276,
			11290, 11304,
			11549, 12655,
			12656, 12661,
			13083, 13138,
			13145, 13154,
			13165, 13575,
			14346, 14423,
			14686, 15145,
			15165, 15935,
			16076, 16273,
			16316, 16320,
			16502, 16795,
			16909, 17344,
			17458, 17917,
			18043, 18157,
			18737, 18741,
			18802, 18811,
			18818, 19117,
			19460, 19461,
			19568, 19569,
			19742, 20397,
			20544, 20674,
			20715, 20750,
			20752, 20753,
			20754, 20759,
			20761, 20762,
			20763, 20768,
			20770, 20771,
			20772, 20777,
			20779, 20780,
			20781, 20857,
			20859, 20902, 21166
			\@newlistfalse
			. . . . . 10943, 21227
			\@next 2258,
			4984, 4985, 5028,
			5029, 5072, 5073,
			21088, 21089,
			21132, 21133, 21165
			\@nextchar 352,
			354, 355, 356,



358, 359, 360, 361, 362, 365, 366, 367, 1377, 1379, 1380, 1381, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1392, 1393, 1394, 1406, 1408, 1409, 1474, 1475, 1476, 7118, 7119, 7120, 18808, 18810, 18811, 18812, 18813, 18814, 18815, 18816, 18818, 18819, 18820, 18821, 18822, 18825, 18826, 18827	16376, 16561, 19063, 19067, 19595 \@nocnterr 331 \@nocounterr 330 \@nodocument 2237 \@noitemerr 95, 298, 580, 712, 975, 1225, 2562, 6492, 6680, 6992, 8513, 8787, 10621, 12860, 15082, 15844, 16238, 16435, 16638, 17048, 17055, 17628, 17635, 18311, 18318, 18967 \@nonlatinfalse 1556, 1674, 13172, 13216 \@nonlatintrue . 1557, 1676, 13172, 13216 \@normalLTRfootfmt ... 8883, 8928, 8951 \@normalRTLfootfmt ... 8877, 8914, 8962 \@normalcr 13693 \@normalfootfmt 8871, 8900, 8940 \@notprerr ... 3299, 3312 \@nx 124, 125, 334, 12926, 12927 \@nxocol 10891, 10893, 10934 \@oddfoot 1943, 10904, 10911, 21241, 21258 \@oddhead 10903, 10910, 21241, 21257 \@oldmakefnmark 16842, 16843, 16906, 16907, 17391, 17392, 17455, 17456, 18090, 18091, 18154, 18155 \@onefilewithoptions ... 3921, 3922, 3929 \@onelevel@sanitize 2240 \@onlypreamble 1651, 4144, 4154, 4158, 10308 \@openbib@code 571, 706,	969, 1219, 2555, 2566, 6486, 6674, 6983, 8507, 8778, 10615, 15838, 16232, 16426, 16629, 17031, 17611, 18294, 18958 \@otarlinesep 18697, 18703 \@outerparskip 6247, 6360 \@outputbox 7332, 7335, 7336, 7350, 7362, 7367, 7369, 7395, 7398, 7399, 7413, 7423, 7426, 7428, 9046, 9048, 10480, 10482, 10483, 10488, 10503, 10505, 10519, 10530, 10772, 10775, 10788, 10797, 10808, 10811, 10825, 10835, 10916, 10921, 10968, 11569, 11576, 11577, 11593, 11603, 11618, 11625, 11626, 11642, 11654, 11693, 11705, 11739, 11741, 11752, 11777, 11780, 11781, 14488, 14491, 14492, 14522, 14547, 14550, 14552, 14564, 14588, 14591, 14592, 14622, 14647, 14650, 14652, 14662, 15214, 15217, 15222, 20933, 20936, 20937, 20951, 20963, 20980, 20983, 20984, 20998, 21008, 21027, 21029, 21043, 21045, 21056, 21285
\@nil 1459, 1460, 1462, 1463, 7107, 8011, 8068, 12822, 12831, 12833, 12845, 18920 \@ninecol@footgroupv@r 9932 \@ninecolLTRfootfmt .. 9958, 9979, 10007 \@ninecolLTRfootnotetext 9927, 9951 \@ninecolRTLfootfmt .. 9968, 9982, 10019 \@ninecolRTLfootnotetext 9928, 9961 \@ninecolfootfmt 9948, 9976, 9994 \@ninecolfootnotetext 9926, 9941 \@nmbrlistfalse .. 20682 \@nobreakfalse . 513, 665, 909, 1148, 6443, 6620, 6907, 8724, 10560, 15790, 16162, 16377, 16562, 19064, 19068, 19596 \@nobreaktrue .. 512, 664, 908, 1147, 6442, 6619, 6906, 8723, 10559, 15789, 16161,		



\@outputdblcol 10890, 21021, 21022, 21023	\@paraRTLfootnotetext 10196, 10339	\@plus 24, 103, 223, 503, 520,
\@outputpage ... 7375, 7379, 7434, 7438, 10800, 10803, 10838, 10842, 10918, 10922, 10927, 10938, 11606, 11610, 11659, 11663, 13645, 13657, 14570, 14575, 14667, 14672, 15203, 15204, 20968, 20972, 21011, 21015, 21222	\@parafootfmt 10324, 10351, 10385	595, 610, 639, 642, 655, 673, 680, 859, 866, 869, 882, 899, 917, 1111, 1122, 1125, 1138, 1156, 1164, 2479, 2565, 4440, 4441, 4442, 4449, 4450, 4451, 4453, 4454, 5659, 5660, 5661, 5663, 5664, 5730, 6407, 6418, 6421, 6434, 6450, 6457, 6584, 6595, 6598, 6611, 6627, 6634, 6795, 6898, 6913, 8447, 8461, 8716, 10353, 10357, 10361, 10551, 10566, 11449, 11487, 12869, 12889, 14737, 14749, 15072, 15736, 15765, 15768, 15781, 15797, 15804, 15991, 16137, 16140, 16153, 16169, 16176, 16369, 16383, 16451, 16553, 16568, 16817, 16824, 16848, 16871, 16889, 16960, 16985, 17073, 17078, 17231, 17250, 17273, 17274, 17283, 17284, 17293, 17294, 17303, 17313, 17366, 17373, 17397, 17420, 17438, 17509, 17534, 17653, 17658, 17811, 17830, 17862, 17863, 17872, 17873,
\@ovbtrue 10726	\@parboxrestore 42, 56, 72, 245, 259, 274, 2307, 4735, 5003, 5047, 5091, 7037, 8936, 8947, 8958, 9084, 9233, 9245, 9258, 9339, 9350, 9362, 9445, 9457, 9470, 9554, 9566, 9579, 9663, 9675, 9688, 9772, 9784, 9797, 9881, 9893, 9906, 9990, 10002, 10015, 10099, 10111, 10124, 10380, 10394, 10408, 10422, 10432, 10943, 11221, 11238, 11254, 11282, 11296, 11310, 11328, 14471, 14685, 20733, 21107, 21151, 21228	
\@ovdx 10739, 10747	\@parboxto . 20736, 20743	
\@ovdy 10740, 10748	\@parmoderr 2256, 4981, 5025, 5069, 21085, 21129	
\@ovhorz ... 10745, 10746	\@part 543, 8471	
\@ovltrue 10726	\@pboxswfalse 11319, 20719	
\@ovri 10738	\@pboxswtrue 20741	
\@ovro 10738, 10747, 10748	\@pdfmark 12663, 12679, 12713, 12744, 12773	
\@ovrtrue 10726	\@pdfremotestartview 12694	
\@ovttrue 10726	\@phone .. 2440, 7843, 7941	
\@ovvert ... 10743, 10744	\@photo 2445, 7816, 7818, 7947, 7949	
\@ovxx 10728, 10729, 10732, 10739, 10744, 10745, 10749, 10750	\@photowidth ... 2444, 2445, 7818, 7914	
\@ovyy .. 10730, 10731, 10732, 10740, 10746	\@pkgextension 3949, 3960, 4024, 4033, 4041, 4044, 4052	
\@pagedp ... 21194, 21204		
\@pageht 7455, 7564, 21177, 21184		
\@par 19685		
\@para@LTRfootgroupv@l 10208, 10266		
\@para@footgroupv@r 10201, 10259		
\@para@footstartv@l 10209, 10267		
\@para@footstartv@r 10202, 10260		
\@paraLTRfootfmt .. . 10336, 10355, 10399		
\@paraLTRfootnotetext . 10195, 10253, 10327		
\@paraRTLfootfmt .. . 10348, 10359, 10413		



17882, 17883,	16386, 16387,	\@preamthreelfmt 9320,
17892, 17902,	16391, 16556,	9326, 9329, 9332
18065, 18072,	16557, 16559,	\@preamtwofmt .. 9214,
18096, 18119,	16571, 16572,	9220, 9223, 9226
18137, 18208,	16576, 18927,	\@printcites 15623
18233, 18336,	18936, 18938,	\@pstrickserr 15577
18341, 18494,	19326, 19475,	\@ptsize 2343,
18513, 18545,	19476, 19484,	2344, 2345, 2346, 2353
18546, 18555,	19583, 19584,	\@publisher ... 5822, 5875
18556, 18565,	19590, 19982,	\@publishers
18566, 18575,	20095, 20200, 20882	.. 16872, 16936,
18585, 18608,	\@preamble 386,	16986, 17421,
18871, 18900,	387, 397, 399,	17485, 17535,
19021, 19296,	1431, 1439, 13579,	18120, 18184, 18234
19464, 19467,	18676, 18678,	\@quote 2446,
19471, 19572,	18685, 18715,	7822, 7824, 7951, 7953
19575, 19579,	18716, 18724,	\@quotebox 15622
19612, 19909,	20839, 20841, 20850	\@quotecolour
19912, 19916,	\@preameightfmt 9862,	... 2408, 2425, 2535
20004, 20188, 20870	9868, 9871, 9874	\@r@m@msize 18710
\@pnumwidth ... 13, 15,	\@preamerr	\@raggedtwoe@abdhook
208, 210, 506, 507,	. 368, 1395, 1425,	. 15697, 15702, 15712
509, 523, 524, 528,	18828, 20848, 20861	\@raggedtwoe@document@opt
658, 659, 661, 683,	\@preamfivefmt . 9535,	. 15696, 15700, 15718
684, 688, 885, 886,	9541, 9544, 9547	\@raggedtwoe@everyselectfont
890, 902, 903, 905,	\@preamfntext .....	..... 15636,
1141, 1142, 1144,	.... 8895, 8909,	15649, 15662, 15673
1167, 1168, 1172,	8923, 9079, 9187,	\@raggedtwoe@footmisctrue
6437, 6438, 6440,	9197, 9207, 9296,	..... 15699
6460, 6461, 6465,	9305, 9314, 9399,	\@raggedtwoe@gnewline
6614, 6615, 6617,	9409, 9419, 9508,	. 15629, 15642, 15655
6637, 6638, 6642,	9518, 9528, 9617,	\@raggedtwoe@raggedrightboxes@opt
6901, 6902, 6904,	9627, 9637, 9726,	..... 15675,
6916, 6917, 6921,	9736, 9746, 9835,	15694, 15698, 15715
7182, 7187, 7188,	9845, 9855, 9944,	\@raggedtwoe@samed@gnewline
8450, 8451, 8455,	9954, 9964, 10053,	..... 15666
8464, 8465, 8467,	10063, 10073,	\@raggedtwoe@samed@cr
8718, 8719, 8721,	10319, 10331, 10343	..... 15626,
10554, 10555,	\@preamfourfmt . 9426,	15639, 15652, 15665
10557, 10569,	9432, 9435, 9438	\@raggedtwoe@spaceskipfalse
10570, 10574,	\@preamninefmt . 9971,	..... 15672
12902, 12904,	9977, 9980, 9983	\@raggedtwoe@spaceskiptrue
14757, 15784,	\@preamnormalfmt 8867,	. 15635, 15648, 15661
15785, 15787,	8872, 8878, 8884	\@rc@ifdefinable ..
15807, 15808,	\@preamsevenfmt 9753,	..... 2921, 2967
15812, 16156,	9759, 9762, 9765	\@reffalse 17940
16157, 16159,	\@preamsixfmt .. 9644,	\@reftrue 17941,
16179, 16180,	9650, 9653, 9656	17942, 17943,
16184, 16371,	\@preamtenfmt . 10080,	17944, 17945,
16372, 16374,	10086, 10089, 10092	17946, 17947, 17948



\@regtocline ... 636, 674, 691, 863, 893, 918, 1119, 1157, 1175, 6415, 6451, 6469, 6592, 6628, 6646, 15762, 15798, 15816, 16134, 16170, 16188	\@runbordercolor 12719, 12721	10837, 11583, 11585, 11605, 11632, 11634, 11658, 14498, 14500, 14569, 14598, 14600, 14666, 20943, 20945, 20967, 20990, 20992, 21010
\@rememsize . 18707, 18710	\@s@bidi@AfterClass 3981, 3990, 4002, 4011	
\@removefromreset 15091, 15093	\@s@bidi@AfterPackage 4026, 4034, 4045, 4053	\@setminipage .. 4737, 11335, 11543, 14473
\@reqcolroom 7455, 7456, 7457, 7458, 7518, 7563, 7564, 7565, 7566, 7567, 7568, 7692	\@sarray 18669	\@setpar 16270, 16313, 16792, 16799, 17341, 17348, 17914, 17919, 18040, 18047
\@resetactivechars 10941, 21225	\@savemarbox 21206	\@settab 6327
\@resetdyn@mics .. 10929	\@secondoftwo .. 1531, 1537, 1543, 2789, 2793, 2801, 2805, 2813, 2817, 2823, 2831, 2844, 2853, 2862, 2871, 2877, 2880, 2891, 2896, 2903, 3065, 3075, 3076, 3077, 3078, 3084, 3093, 3099, 3123, 3151, 3179, 3228, 3240, 3241, 3250, 3886, 4014, 4056	\@sevenscol@footgroupv@r 9714
\@resetst@tics ... 10928	\@secpenalty .. 5, 200, 502, 519, 654, 672, 679, 881, 898, 916, 1137, 1155, 1163, 8446, 8460, 12894, 18912, 19044, 19099, 19463, 19470, 19571, 19578	\@sevenscollTRfootfmt ... 9740, 9761, 9789
\@restonecolfalse 98, 218, 585, 601, 850, 1102, 6398, 6575, 6785, 12864, 15727, 15982, 16441, 18979	\@sectiontitlecolour 2409, 2426	\@sevenscollTRfootnotetext 9709, 9733
\@restonecoltrue 98, 218, 587, 603, 852, 1104, 6400, 6577, 6787, 12864, 15729, 15984, 16443, 18981	\@seesize .. 18707, 18710	\@sevenscolRTLfootfmt ... 9750, 9764, 9801
\@resumename .. 2378, 2434	\@setcol 10935	\@sevenscolRTLfootnotetext 9710, 9743
\@revlabeltrue . 736, 988, 1238, 6525, 6702, 15868, 16007	\@setcolbox . 10896, 10932	\@sevenscolfootfmt 9730, 9758, 9776
\@rightcolumn . 14514, 14519, 14520, 14529, 14530, 14538, 14542, 14548, 14614, 14619, 14620, 14629, 14630, 14638, 14642, 14648	\@setcopyright 112, 12914	\@sevenscolfootnotetext 9708, 9723
\@rightskip ... 13689, 15631, 15632, 15644, 15645, 15657, 15658, 15668, 15669, 20784	\@setfontsize 4439, 4448, 5658, 5668, 5669, 5670, 5671, 5672, 5673, 5674	\@sharp 393, 1433, 1434, 1435, 1441, 1442, 1443, 12822, 12828, 13571, 18681, 18716, 18722, 20845
\@rjfieldfalse ... 21212	\@setfpsbit 2272, 2275, 2278	\@sixcol@footgroupv@r 9605
	\@setmarks 7342, 7344, 7374, 7405, 7407, 7433, 10781, 10783, 10800, 10817, 10819,	\@sixcollTRfootfmt ... 9631, 9652, 9680
		\@sixcollTRfootnotetext 9600, 9624
		\@sixcolRTLfootfmt ... 9641, 9655, 9692
		\@sixcolRTLfootnotetext 9601, 9634
		\@sixcolfootfmt 9621, 9649, 9667



\@sixcolfootnotetext	\@subtitle	2607, 2638, 2639,
..... 9599, 9614	.. 16862, 16932,	2642, 2745, 2746,
\@skip@bove . 18701, 18703	16975, 17411,	2749, 2751, 2753,
\@spaces	17481, 17524,	2754, 2757, 2759,
. 18739, 18780, 18785	18110, 18180, 18223	2761, 2762, 2765,
\@spart	\@tabacol 2185, 13556,	2767, 2769, 2770,
\@specialpagefalse	18663, 20645, 20825	2773, 2775, 10727,
..... 10898, 21238	\@tabarray . 374, 398,	11845, 11846,
\@specialstyle	402, 2187, 13543,	11847, 11848,
..... 10899, 21238	13545, 20640,	11885, 11888,
\@stabarray	20647, 20827, 20853	11889, 11895,
..... 18665	\@tabclassiv	11906, 11907,
\@stabular	... 2187, 13557,	11913, 11918,
\@star@or@long . 2916,	18665, 20647, 20827	11919, 11921,
2937, 2961, 2972	\@tabclassz	11924, 11981,
\@startcolumn	1436, 2186, 13557,	11982, 11983,
\@startdblcolumn ..	18664, 20646, 20826	11984, 12441,
.... 7378, 7380,	\@tabcr	12445, 12448,
7437, 7439, 10801,	..... 6330, 6340	12460, 12479,
10803, 10841,	\@tabminus	12483, 12486,
10842, 10925,	..... 6328	12498, 12925,
10927, 11609,	\@tabplus	12928, 12979,
11611, 11662,	..... 6327	12980, 13626,
11664, 14573,	\@tabular	13627, 13629,
14576, 14670,	370, 2173, 20823	13630, 15094,
14673, 20971,	\@tabularcr	15095, 15096,
20973, 21014, 21016	.....	15099, 15106,
\@startfield	... 2187, 13561,	15112, 15915,
..... 6369	18665, 20647, 20827	15917, 15919,
\@startpbox	\@tagsextension 2722, 2725	15923, 16056,
.... 1408,	\@tarlinesep .. 18703,	16058, 16060,
1409, 1474, 1475,	18704, 18705,	16064, 16647,
1476, 7118, 7119,	18706, 18709, 18711	16648, 16690,
7120, 13558,	\@temp@bibkey .. 5192,	16691, 16791,
13559, 13565,	5211, 5230, 5258	17033, 17036,
18679, 18717, 20842	\@temp@bibkeyx	17340, 17613,
\@startsection 23, 12888	.... 5197, 5198,	17616, 17913,
\@starttoc ... 5625, 5633	5200, 5201, 5202,	18039, 18296,
\@stopfield 6334, 6349,	5203, 5216, 5217,	18299, 18788,
6353, 6381, 21212	5219, 5220, 5221,	18790, 18795,
\@stopline .. 6353, 21212	5222, 5235, 5236,	18797, 20186,
\@stpelt . 3417, 3421, 3423	5238, 5239, 5240,	20203, 20207,
\@strip	5241, 5267, 5268,	20208, 20209,
..... 14682	5270, 5271, 5272, 5273	20218, 20232,
\@subjclass	\@temp@last@bibkey	20408, 20411,
..... 324	.... 5191, 5192,	20417, 20421, 20435
\@subject 16856, 16857,	5198, 5210, 5211,	\@tempb
16935, 16969,	5217, 5229, 5230,	..... 2638,
16970, 17405,	5236, 5257, 5258, 5268	2639, 2641, 2642,
17406, 17484,	\@tempa	11845, 11846,
17518, 17519,	.... 123, 126,	11886, 11888,
18104, 18105,	133, 134, 135, 136,	
18183, 18217, 18218	783, 785, 787, 791,	
\@subsectioncolour	1035, 1037, 1039,	
..... 2411, 2427	1043, 1285, 1287,	
	1289, 1293, 2600,	



11916, 11918,	18403, 18404,	15171, 15172,
11919, 11921,	18406, 18407,	15179, 15183,
11924, 15098,	18409, 18414,	15196, 17090,
15099, 15105,	18419, 18762,	17108, 17670,
15106, 15111, 15112	18782, 20147,	17688, 18353, 18371
\@tempboxa 4987,	20150, 20155,	\@tempdima 8,
5031, 5075, 7478,	20159, 20163,	10, 12, 14, 203,
7502, 7511, 7570,	20167, 20171,	205, 207, 209, 378,
7614, 7655, 7676,	20175, 20179,	379, 381, 504, 521,
7685, 8034, 8035,	20183, 20808,	526, 644, 657, 681,
8036, 8037, 8039,	20809, 20864,	686, 871, 872, 883,
8088, 8089, 8090,	20865, 20866,	888, 901, 1127,
8091, 8093, 9130,	20867, 21091,	1140, 1165, 1170,
10738, 10742,	21135, 21273,	1453, 1454, 1486,
10750, 10751,	21280, 21281,	1487, 1488, 2340,
10876, 10877,	21310, 21311, 21315	2342, 5646, 5647,
10878, 11324,	\@tempc . 11887, 11889,	6423, 6436, 6458,
11348, 11386,	11895, 13007, 13012	6463, 6600, 6613,
11431, 11438,	\@tempcnta 1399, 1458,	6635, 6640, 6899,
11448, 11451,	1459, 1460, 1462,	6914, 6919, 7130,
11455, 11457,	1463, 2260, 2266,	7131, 7132, 7180,
11463, 11497,	2268, 2281, 2282,	7185, 7459, 7528,
11499, 11505,	2288, 2289, 2615,	7529, 7543, 7544,
11518, 11522,	2617, 2621, 7105,	7548, 7625, 7703,
11523, 11811,	7107, 8009, 8066,	7704, 7718, 7719,
11907, 11924,	13046, 13048,	7723, 7739, 7740,
12073, 12254,	13051, 13074,	7980, 7981, 7982,
12256, 13175,	13075, 13083,	7983, 8001, 8002,
13180, 13184,	15170, 15172,	8003, 8004, 8010,
13588, 13589,	15173, 15179,	8012, 8013, 8017,
13592, 14399,	15183, 15196,	8018, 8019, 8020,
14402, 14406,	15247, 15249,	8021, 8029, 8033,
14408, 14414,	15253, 15256,	8036, 8037, 8038,
14416, 14417,	15258, 16895,	8052, 8053, 8054,
14446, 14447,	16897, 17090,	8067, 8069, 8070,
14451, 15341,	17109, 17444,	8074, 8075, 8076,
15342, 15345,	17446, 17670,	8077, 8078, 8084,
17097, 17111,	17689, 18143,	8087, 8090, 8091,
17115, 17117,	18145, 18353,	8092, 8104, 8105,
17140, 17141,	18372, 18775,	8106, 8250, 8252,
17143, 17144,	19994, 19995,	8253, 8254, 8258,
17146, 17151,	19996, 20015,	8265, 8267, 8269,
17156, 17677,	20016, 20017,	8276, 8300, 8301,
17691, 17695,	20019, 20021,	8306, 8307, 8308,
17697, 17720,	20103, 20104,	8309, 8310, 8425,
17721, 17723,	20105, 21166,	8427, 8429, 8448,
17724, 17726,	21168, 21171,	8453, 8463, 10188,
17731, 17736,	21173, 21175, 21197	10222, 10223,
18360, 18374,	\@tempcntb	10224, 10225,
18378, 18380,	2286, 2287, 2288,	10227, 10236,



10237,	10240,	17720,	17721,	21177,	21178,
10241,	10284,	17722,	17724,	21179,	21182,
10285,	10286,	17915,	17916,	21185,	21188,
10287,	10289,	17917,	17920,	21190, 21213, 21214	
10298,	10299,	17921,	17924,	\@tempdimb 7099, 7461,	
10302,	10303,	18041,	18042,	7464, 7465, 7466,	
10490,	10492,	18043,	18048,	7467, 7470, 7471,	
10553,	10567,	18049,	18052,	7472, 7473, 7474,	
10572,	10739,	18377,	18378,	7475, 7476, 7627,	
10740,	10743,	18403,	18404,	7630, 7631, 7633,	
10744,	11322,	18405,	18407,	7635, 7638, 7642,	
11326,	11780,	18708,	18711,	7645, 7648, 7652,	
11782,	11904,	18713,	18776,	7654, 7980, 7981,	
11906,	11911,	18835,	18836,	8001, 8002, 8053,	
11913,	11914,	18837,	19054,	8055, 8058, 8105,	
11916,	11929,	19058,	19085,	8107, 8110, 8256,	
11934,	11939,	19089,	19108,	8258, 8271, 8272,	
11943,	12897,	19112,	19125,	8273, 8274, 8276,	
12899,	12901,	19129,	19142,	8303, 8306, 10238,	
12903,	13022,	19146,	19159,	10239, 10240,	
13027,	13043,	19163,	19176,	10300, 10301,	
13044,	13049,	19180,	19193,	10302, 10732,	
13553,	13563,	19197,	19211,	10733, 10734,	
13568,	14517,	19215,	19230,	10735, 10737,	
14521,	14617,	19234,	19250,	11905, 11906,	
14621,	14682,	19254,	19285,	11912, 11913,	
14707,	14730,	19289,	19473,	11915, 11916,	
14742,	14743,	19479,	19581,	13044, 13045,	
14754,	14755,	19631,	19634,	13047, 14682,	
15174,	15770,	19635,	19639,	14707, 16802,	
15783,	15805,	20011,	20013,	16803, 16804,	
15810,	16142,	20042,	20045,	17351, 17352,	
16155,	16177,	20052,	20055,	17353, 17922,	
16182,	16271,	20059,	20064,	17923, 17924,	
16272,	16273,	20067,	20079,	18050, 18051,	
16314,	16315,	20112,	20114,	18052, 18708,	
16316,	16384,	20115,	20118,	18711, 18713,	
16389,	16554,	20121,	20125,	20012, 20018,	
16569,	16574,	20132,	20134,	20020, 20025,	
16692,	16693,	20193,	20194,	20027, 20030,	
16793,	16794,	20207,	20209,	20034, 20038,	
16795,	16800,	20217,	20224,	20046, 20048,	
16801,	16804,	20370,	20371,	20049, 20062,	
17114,	17115,	20390,	20401,	20068, 20070,	
17140,	17141,	20402,	20403,	20373, 20374,	
17142,	17144,	20404,	20416,	20376, 20378,	
17342,	17343,	20419,	20425,	20381, 20382,	
17344,	17349,	20426,	20732,	20384, 20387,	
17350,	17353,	20733,	20875,	20401, 20402,	
17694,	17695,	20876,	21176,	20403, 20407,	



20420, 20424,	17078, 17366,	58, 74, 247, 261,
20425, 20735, 20736	17373, 17653,	276, 447, 450,
\@tempdimc 7100, 16790,	17658, 18065,	737, 799, 801, 989,
16797, 16798,	18072, 18336, 18341	1053, 1239, 1301,
16808, 17339,	\@textsuperscript .	1303, 1973, 1976,
17346, 17347,	447, 450, 737, 799,	2216, 2224, 2232,
17357, 18038,	801, 989, 1053,	5297, 5299, 5333,
18045, 18046, 18056	1239, 1301, 1303,	5351, 5369, 5395,
\@tempskipa 6246, 6247,	1973, 1976, 5297,	5401, 5424, 5430,
6248, 6359, 6360, 6361	5299, 6526, 6703,	5453, 5459, 6282,
\@tempswafalse . 4161,	6842, 6845, 8563,	6289, 6296, 6526,
4208, 8021, 8078,	8566, 8660, 8663,	6703, 6842, 6845,
11852, 20455, 20498	10663, 10666,	8563, 8566, 8660,
\@tempswatrue	14342, 15869,	8663, 8898, 8912,
. . . . 4160, 4205,	15931, 15933,	8926, 8938, 8949,
8015, 8072, 20925	16008, 16072,	8960, 9001, 9005,
\@temptokena 121, 125,	16074, 16268,	9007, 9013, 9017,
12923, 12927, 15233	16275, 16311,	9019, 9025, 9029,
\@tempx 6261,	16318, 16497, 16500	9031, 9189, 9199,
6262, 12519, 12531	\@texttop . . 10481, 11779	9209, 9235, 9248,
\@tempxi 6264,	\@tfor 2261, 10727	9260, 9298, 9307,
6265, 12550, 12562	\@thanks 426,	9316, 9341, 9353,
\@tempxii 6267,	434, 462, 470,	9364, 9401, 9411,
6268, 12581, 12593	768, 774, 813, 819,	9421, 9447, 9460,
\@tempy 2193, 2194	1020, 1026, 1065,	9472, 9510, 9520,
\@tempyi 2196, 2197	1071, 1270, 1276,	9530, 9556, 9569,
\@tempyii 2199, 2200	1315, 1321, 1978,	9581, 9619, 9629,
\@tencol@footgroupv@r	1984, 6557, 6563,	9639, 9665, 9678,
. 10041	6734, 6740, 6821,	9690, 9728, 9738,
\@tencollTRfootfmt	6829, 6857, 6865,	9748, 9774, 9787,
. 10067, 10088, 10116	8544, 8550, 8578,	9799, 9837, 9847,
\@tencollTRfootnotetext	8584, 8639, 8647,	9857, 9883, 9896,
. 10036, 10060	8675, 8683, 10644,	9908, 9946, 9956,
\@tencolRTLfootfmt	10650, 10678,	9966, 9992, 10005,
. 10077, 10091, 10128	10684, 11350,	10017, 10055,
\@tencolRTLfootnotetext	11364, 11367,	10065, 10075,
. 10037, 10070	14335, 14358,	10101, 10114,
\@tencolfootfmt . . .	15900, 15906,	10126, 10321,
. 10057, 10085, 10103	15945, 15951,	10333, 10345,
\@tencolfootnotetext	16039, 16047,	10382, 10396,
. 10035, 10050	16086, 16094,	10410, 10663,
\@testopt 2939,	16289, 16297,	10666, 11187,
2957, 13550, 13551	16330, 16338,	11192, 11196,
\@testpach 345, 1370,	16476, 16484,	11201, 11223,
1415, 18801, 20854	16512, 16520,	11240, 11256,
\@texfileextension	16875, 16919,	11284, 11298,
. 2724, 2727	16928, 17424,	11312, 11355,
\@textbottom . . 10485,	17468, 17477,	11360, 11370,
11783, 16817,	18123, 18167, 18176	11375, 11794,
16824, 17073,	\@thefnmark 44,	12301, 12312,



12323, 12334,	6714, 6742, 6811,	\@todonotes@MissingFigureUp
12452, 12490,	6832, 6868, 6882,	..... 20350
12523, 12554,	7932, 8534, 8553,	\@todonotes@author
12585, 12648,	8587, 8599, 8629,	..... 20261,
12885, 15869,	8650, 8686, 8700,	20272, 20297, 20315
15931, 15933,	10634, 10653,	\@todonotes@currentfigcolor
16008, 16072,	10687, 10699,	..... 20332
16074, 16268,	14336, 15878,	\@todonotes@currentfigheight
16275, 16311,	15880, 15908,	..... 20333
16318, 16497, 16500	15953, 15966,	\@todonotes@currentfigwidth
\@thefoot 10904,	16017, 16019,	..... 20333,
10907, 10911,	16049, 16096,	20335, 20345, 20348
21241, 21247,	16112, 16123,	\@todonotes@drawInlineNote
21255, 21258, 21293	16279, 16300,	..... 20256
\@thehead 10903,	16341, 16355,	\@todonotes@drawLineToLeftMargin
10906, 10910,	16466, 16487,	..... 20284, 20287
21241, 21247,	16523, 16537,	\@todonotes@drawLineToRightMargin
21254, 21257, 21277	16860, 16931,	..... 20284, 20287
\@themargin ... 10960,	16973, 17409,	\@todonotes@drawMarginNote
11949, 11951,	17480, 17522,	. 20283, 20286, 20290
11956, 11958,	18108, 18179, 18221	\@todonotes@drawMarginNoteWithLine
11962, 11964,	\@titlecolour . 2406, 2423	..... 20278
21243, 21245,	\@titlehead	\@todonotes@ifdisabled
21249, 21251, 21270	.. 16849, 16851,	..... 20357
\@thm 15127, 15148	16934, 16961,	\@todonotes@sizecommand
\@thmcountersep 343, 20665	16963, 17398,	..... 20261,
\@threecol@footgroupv@r	17400, 17483,	20263, 20270,
..... 9284	17510, 17512,	20272, 20274,
\@threecolLTRfootfmt	18097, 18099,	20297, 20299,
... 9309, 9328, 9355	18182, 18209, 18211	20311, 20314,
\@threecolLTRfootnotetext	\@tocextra	20315, 20317, 20320
..... 9279, 9302	.. 19005, 19006,	\@todonotes@text ..
\@threecolRTLfootfmt	19010, 19012, 19015	.. 20261, 20263,
... 9318, 9331, 9366	\@tocline .. 2, 197, 12891	20272, 20274,
\@threecolRTLfootnotetext	\@tocpagenum 15, 210, 12904	20297, 20299,
..... 9280, 9311	\@tocrmarg	20312, 20318, 20321
\@threecolfootfmt .	.. 14726, 14738,	\@todonotes@textwidth
... 9300, 9325, 9343	14750, 15711,	..... 20295
\@threecolfootnotetext	19049, 19080,	\@toodeep 20672
..... 9278, 9293	19103, 19120,	\@topnum ... 111, 314,
\@title 320,	19137, 19154,	459, 810, 1062,
416, 437, 473, 487,	19171, 19188,	1312, 5908, 6854,
746, 748, 776, 821,	19206, 19225,	8575, 8672, 10675,
834, 998, 1000,	19245, 19280,	12913, 14355,
1028, 1073, 1086,	19331, 19609,	15942, 16083,
1248, 1250, 1278,	20072, 20189, 20871	16327, 16509,
1323, 1337, 1348,	\@todonotes@MissingFigureDown	16916, 17465, 18164
1987, 2376, 2437,	..... 20351	\@topsep ... 15141, 15161
5830, 5915, 6535,	\@todonotes@MissingFigureText	\@topsepadd
6537, 6565, 6712,	..... 20328	. 2104, 15142, 15162



\@totalleftmargin .	\@unrecurse . 18698, 18701	\@x 6319, 6320
. 11533,	\@uppertitleback . .	\@x@sf 5306, 5311, 5317, 5320
11537, 11540,	. . . . . 16879,	\@xLTRfootnote
11549, 13688,	16937, 17428,	. . . . 2181, 2303,
15144, 15145,	17486, 18127, 18185	6153, 6164, 6377,
15164, 15165,	\@urlbordercolor . .	6391, 11195, 11198
15685, 20691,	. . . . . 12750, 12752	\@xLTRfootnotenext
20693, 20699,	\@urlcolor 12764	. . . . . 2180,
20701, 20705,	\@viipt 4448,	2302, 6152, 6163,
20707, 20711,	5668, 15182, 15195	6376, 6390, 11354,
20713, 20715,	\@vipt 5668, 15182, 15195	11357, 12320, 18748
20750, 20752,	\@viper 7381, 7383, 7385,	\@xRTLfootnote
20753, 20754,	7440, 7442, 7444,	. . . . 2183, 2305,
20759, 20761,	7457, 7521, 7567,	6155, 6166, 6379,
20762, 20763,	7695, 7744, 14683,	6393, 11186, 11189
20768, 20770,	14698, 14700, 14705	\@xRTLfootnotenext
20771, 20772,	\@viperoutput . 7387, 7446	. . . . . 2182,
20777, 20779,	\@vipt 5669	2304, 6154, 6165,
20780, 20781, 21213	\@vpt 5669	6378, 6392, 11369,
\@traditionalpoem .	\@whilenum 13075	11372, 12309, 18749
. 6203, 6302	\@whilesw . 7379, 7438,	\@xaddress 321
\@trivlist	10802, 10842,	\@xauthor 321
. 15138, 15158, 20684	10926, 11610,	\@xcolor@ . . 20456, 20499
\@twocol@footgroupv@r	11663, 14574,	\@xcurraddr 322
. 9175	14671, 20972, 21015	\@xemail 322
\@twocolLTRfootfmt	\@wholewidth	\@xepersian@pdfcustomproperties
. . . 9201, 9222, 9250	. 10729, 10731, 10749	. . . . . 1811
\@twocolLTRfootnotetext	\@width 31, 235,	\@xfloat 2236
. 9170, 9194	383, 533, 718, 953,	\@xfootnote . . . 2179,
\@twocolRTLfootfmt	1198, 1488, 6498,	2301, 6151, 6162,
. . . 9211, 9225, 9262	6651, 6927, 7132,	6375, 6389, 12646
\@twocolRTLfootnotetext	7354, 7419, 7494,	\@xfootnotemark . . 12331
. 9171, 9204	7668, 7962, 8518,	\@xfootnotenext . . .
\@twocolfootfmt . . .	8817, 8866, 10600,	. . . . 2178, 2300,
. . . 9191, 9219, 9237	10831, 11134,	6150, 6161, 6374,
\@twocolfootnotetext	11136, 11511,	6388, 12298, 18747
. 9169, 9184	11599, 11646,	\@xipt 5671
\@twosidefalse . . . 4423	12882, 12953,	\@xipt 5670
\@twosidetrue 4418	13570, 13624,	\@xivpt 303, 5672
\@typeset@protect .	13710, 14556,	\@xmakeintext . . 800,
. 2132,	14658, 14801,	1302, 15932, 16073
2138, 2144, 2159	14815, 14847,	\@xp 121, 308,
\@undeclaredcolor .	14895, 15821,	333, 334, 7046, 12923
. 7145,	16244, 16400,	\@xpt 4439
7153, 20448, 20449	16582, 16819,	\@xstartcol 11686
\@undefined	17074, 17368,	\@xthm 15146, 15166
. 2190, 13555, 14456	17654, 18067,	\@xtitle 320
\@undottedtocline 14723	18337, 18674,	\@xxpt 5673
\@unexpandable@protect	18713, 20837,	\@xxxii 2287
. 2990, 4320	20955, 21004, 21204	



\@xympar	\` . . . 11531, 13685, 15681	\addpenalty 5,
4993, 4997, 5037,	\| . . . 11410, 11411, 11526	200, 502, 519, 654,
5041, 5081, 5085,		672, 679, 881, 898,
21097, 21101,	Numbers	916, 1137, 1155,
21141, 21145, 21208	\0 1775	1163, 6433, 6449,
\@yargdef 2959	\1 . . . 13772, 13823, 13875	6456, 6610, 6626,
\@ympar 21205	\9 1775	6633, 6897, 6912,
\@ythm 15146, 15166		8446, 8460, 8715,
\[. 6327, 10846	_ 1591, 1872, 5199, 5203,	10550, 10565,
\ \ 122, 397, 744,	5218, 5222, 5237,	12894, 15780,
789, 996, 1041,	5241, 5269, 5273,	15796, 15803,
1246, 1291, 2187,	11403, 11405, 18009	16152, 16168,
2484, 2490, 2637,		16175, 16368,
3442, 3458, 3462,	A	16382, 16552,
3683, 3685, 3686,	\abovecaptionskip .	16567, 18912,
3687, 3695, 3700,	. . . . . 13173,	18914, 19042,
3701, 3703, 4753,	13612, 13614,	19044, 19077,
4754, 4755, 4757,	14395, 14445,	19099, 19463,
5717, 6086, 6224,	17164, 17168,	19466, 19470,
6533, 6710, 7820,	17183, 17191,	19571, 19574, 19578
7821, 7824, 7840,	17744, 17748,	\address 321, 2438
7927, 7932, 7939,	17763, 17771,	\addresscolour
7949, 7953, 8797,	18427, 18431,	2407, 7772, 7870,
8801, 8810, 12153,	18446, 18454, 21309	7876, 7882, 7888, 7894
12156, 12169,	\abovedisplayshortskip	\addressfont
12172, 12272,	. . . 4441, 4450, 5660	2416, 2424, 2535,
12693, 12708,	\abovedisplayskip .	7810, 7838, 7902, 7936
12727, 12924,	4440, 4443, 4449,	\addresssymbol
12944, 12948,	4456, 4490, 5659, 5666	. . . 2398, 7840, 7939
13137, 13138,	\abstractname 622, 628,	\addresstyle 2424
13144, 13145,	631, 929, 935, 937,	\addtocontents . . . 19328
13548, 13693,	1181, 1187, 1190,	\addtocounter 13067, 13068
15251, 15263,	6474, 6662, 15748,	\addtolength . . . 2358,
15626, 15627,	15754, 15757,	2359, 2360, 2361,
15639, 15640,	16198, 16204, 16207	2362, 2363, 2461,
15652, 15653,	\Acrobatmenu 12769	2462, 2464, 2466,
15665, 15876,	\active 6103,	2467, 2470, 4525,
15921, 16015,	6104, 6106, 6107	4528, 4529, 4532,
16062, 18015,	\add@strip 14707	5683, 7918, 7919,
18665, 18680,	\addcontentsline . .	7920, 8309, 12006,
18696, 18697,	. . 546, 548, 2481,	12007, 13033,
18870, 18899,	4732, 8474, 8476,	13035, 13037,
20294, 20301,	13204, 13209,	13038, 13056,
20647, 20784,	14468, 18988,	13058, 13059,
20827, 20843, 20853	18995, 19012, 20328	13061, 13062,
\{ 2049, 13830, 13874	\AddExtraParaSkip .	13064, 13065,
\} 2050, 13830, 20652	. 10180, 10183, 10308	13066, 13081,
. 6328, 10856	\addfontfeature 2404,	13082, 16794,
\^ 1820,	2405, 2406, 2407,	16797, 16798,
6103, 6104, 6106, 6107	2408, 2409, 2411, 2412	16801, 16803,



17141, 17142,	\adl@class@start ..	8018, 8019, 8020,
17343, 17346,	..... 1411, 1444	8037, 8046, 8053,
17347, 17350,	\adl@CT@setup	8075, 8076, 8077,
17352, 17721,	... 1448, 1451, 1452	8091, 8098, 8105,
17722, 17916,	\adl@depth	8253, 8254, 8267,
17921, 17923,	\adl@endarray	8269, 8272, 8273,
18042, 18045,	\adl@endmbox	8274, 8453, 8506,
18046, 18049,	\adl@everyvbox 1364, 1365	8777, 9161, 9163,
18051, 18404,	\adl@extract@arc .. 1460	10188, 10223,
18405, 18931,	\adl@extract@dgc .. 1463	10225, 10230,
18932, 19612,	\adl@extract@drsc . 1461	10234, 10285,
19618, 19622, 19626	\adl@height	10287, 10292,
\addvspace	\adl@inactivate 1366, 1448	10296, 10572,
200, 503, 520, 655,	\adl@LT@array 12820	10614, 10729,
673, 680, 882,	\adl@noalign	10731, 10733,
899, 917, 1138,	\adl@org@activate . 1449	10739, 10740,
1156, 1164, 5711,	\adl@org@classz ... 1492	10747, 10748,
5768, 6434, 6450,	\adl@org@endpbox .. 1450	10749, 10919,
6611, 6627, 6898,	\adl@org@inactivate 1448	10920, 11406,
8447, 8461, 8716,	\adl@putlrc 1403, 1404,	11420, 11433,
10551, 12894,	1405, 1433, 1434,	11434, 11466,
15781, 15797,	1435, 1441, 1442, 1443	11471, 11472,
16153, 16169,	\adl@startmbox 1406	11475, 11484,
16369, 16553,	\advance	11548, 11675,
19046, 19100,	90, 207, 293, 311,	11676, 11680,
19464, 19471,	379, 526, 570, 686,	11681, 11683,
19572, 19575,	705, 872, 888, 968,	11684, 11687,
19579, 19606, 20006	1170, 1218, 1453,	11688, 11689,
\adjmc@inner	1487, 1775, 1776,	11690, 11809,
\adjmc@outer	1946, 1951, 2268,	12655, 12665,
\adjmc@page@sofar@orig	2282, 2288, 2554,	12855, 12901,
..... 164	2598, 2633, 3552,	13045, 13048,
\adjmult@cols	3703, 3709, 3719,	13049, 13083,
\adjmulticols	3774, 3791, 3800,	13563, 13575,
\adl@act@classz ... 1491	4332, 4941, 5647,	13641, 14509,
\adl@act@CT@setup .	5722, 6073, 6081,	14511, 14538,
..... 1449, 1456	6082, 6247, 6360,	14539, 14542,
\adl@activate . 1366, 1449	6463, 6485, 6640,	14609, 14611,
\adl@argarraydashrule	6673, 6919, 6982,	14638, 14639,
..... 1385, 1423	7131, 7139, 7140,	14642, 14696,
\adl@array ... 1363, 1368	7180, 7292, 7457,	14697, 14698,
\adl@arraydashrule	7458, 7467, 7528,	14699, 14708,
..... 1384, 1422	7529, 7544, 7564,	14730, 14743,
\adl@arrayinit 1365	7567, 7568, 7577,	14755, 14768,
\adl@arrayrestore . 1360	7579, 7585, 7586,	14897, 14898,
\adl@arrayrule 1383, 1421	7589, 7592, 7595,	14903, 14904,
\adl@box . 1406, 1408, 1409	7638, 7703, 7704,	14907, 14908,
\adl@class@iiiorvii	7719, 7739, 7740,	15139, 15143,
..... 1412, 1445	7970, 7980, 7981,	15144, 15159,
	7991, 8001, 8002,	15163, 15164,



15172,	15258,	21185,	21186,	10087, 10090, 10093
15280,	15308,	21187, 21188, 21213		\Alph 14377
15315,	15357,	\afterassignment ..		\AM@CheckAtEnd ... 15271
15362,	15363,	1593, 1595, 1874,		\AM@ClearShipoutPicture
15364,	15393,	1876, 2991, 3783,		..... 15273
15394,	15420,	5171, 18771, 18772		\AM@currentdocname
15431,	15586,	\aftergroup .....		..... 15236, 15242
15588,	15593,	2086, 2096, 3990,		\AM@findfile 15240
15596,	15619,	3992, 4002, 4004,		\AM@output 15269
15810,	15837,	4014, 4016, 4034,		\AM@pagecount 15238
16182,	16231,	4036, 4045, 4047,		\AM@pageref . 15253, 15256
16272,	16315,	4056, 4058, 5155,		\AM@pagetemp
16389,	16425,	5170, 7143, 7145,		.. 15246, 15251,
16574,	16628,	7152, 7158, 7177,		15252, 15255,
16693,	17030,	10947, 10949,		15263, 15264, 15268
17610,	18013,	15476, 15477,		\AM@readlist 15268
18293,	18626,	15480, 15485,		\AM@split@options 15232
18697,	18711,	15486, 15490,		\AM@temp ... 15233, 15234
18721,	18741,	15495, 15496,		\AM@threadname
18836,	18871,	15500, 15504,		. 15231, 15241, 15242
18887,	18900,	15508, 15512,		\AM@xrprefix
18904,	18936,	18905, 19997,		. 15249, 15253, 15256
18937,	18957,	20437, 20446,		\and 441, 477,
19058,	19089,	20448, 20485,		755, 781, 784, 826,
19112,	19129,	20489, 20542,		1007, 1033, 1036,
19146,	19163,	20553, 20554,		1078, 1257, 1283,
19180,	19197,	20557, 20562,		1286, 1328, 1350,
19215,	19234,	20563, 20567,		1991, 6544, 6570,
19254,	19289,	20572, 20573,		6721, 6747, 6836,
19330,	19479,	20577, 20582,		6872, 8557, 8591,
19480,	19588,	20586, 20591,		8654, 8690, 10657,
19639,	19995,	21223, 21233, 21234		10691, 14333,
20015,	20020,	\ALG@floatstyle ...		15235, 15887,
20070,	20071,	... 4956, 4957, 4958		15913, 15916,
20072,	20075,	\algocf@float 21375		15958, 16026,
20079,	20104,	\algocf@makecaption 188		16054, 16057,
20115,	20194,	\algocf@within		16101, 16125,
20217,	20371,	..... 166, 168,		16304, 16345,
20373,	20383,	21377, 21378, 21379		16491, 16527,
20402,	20403,	\alignL 7078		16950, 17499, 18198
20432,	20443,	\alignR 7085		\andify 116, 12918
20444,	20674,	\allowbreak 7976, 7997,		\andname .. 789, 1041,
20687,	20688,	9221, 9224, 9227,		1291, 15921, 16062
20691,	20693,	9327, 9330, 9333,		\andnext 14334
20699,	20701,	9433, 9436, 9439,		\AppendToList 3651
20705,	20707,	9542, 9545, 9548,		\arabic 19,
20711,	20713,	9651, 9654, 9657,		20, 21, 22, 86, 214,
20811,	20812,	9760, 9763, 9766,		215, 216, 217, 289,
20876,	20902,	9869, 9872, 9875,		329, 10882, 10888,
21177,	21178,	9978, 9981, 9984,		12851, 12908,



12909, 12910,	15911, 15956,	20379, 20383,
12911, 19270, 21375	16052, 16099,	20847, 21267, 21290
\array 400, 20851	16302, 16343,	\baselinestretch ..
\arraycolsep 400	16489, 16525,	.... 2388, 5327,
\arraylinesep 18704	16940, 17489, 18188	5345, 5363, 8892,
\arrayrulecolor ... 1460	\auto@footnoterule	8906, 8920, 8934,
\arrayrulewidth .. 18721	.... 11150, 11161	8945, 8956, 9185,
\arraystretch 381, 382,	\autodot 16997,	9195, 9205, 9231,
2080, 2091, 13568,	17545, 18244, 20207	9243, 9256, 9267,
13569, 18672,	\autofootnoterule .	9272, 9294, 9303,
18673, 18708,	1686, 7956, 8860,	9312, 9337, 9348,
20660, 20835, 20836	11159, 11790, 21327	9360, 9370, 9375,
\aslice . 15400, 15401,		9397, 9407, 9417,
15403, 15405,	B	9443, 9455, 9468,
15406, 15408,	\backmatter	9479, 9484, 9506,
15421, 15422, 15424	... 6018, 6967, 8762	9516, 9526, 9552,
\At@ViperColsBreak	\baselineskip .. 395,	9564, 9577, 9588,
... 7606, 7616, 7620	717, 719, 723,	9593, 9615, 9625,
\AtBeginCaption .. 13215	725, 1197, 1199,	9635, 9661, 9673,
\AtBeginDocument ..	1203, 1205, 2931,	9686, 9697, 9702,
.... 1584, 1731,	4467, 4469, 4472,	9724, 9734, 9744,
2373, 2433, 2530,	4474, 4476, 4479,	9770, 9782, 9795,
3303, 4385, 4534,	4634, 5264, 5331,	9806, 9811, 9833,
4761, 4895, 4900,	5349, 5367, 5484,	9843, 9853, 9879,
4953, 5764, 5964,	5493, 5502, 5583,	9891, 9904, 9915,
6029, 7849, 7963,	5590, 5597, 5604,	9920, 9942, 9952,
7984, 8005, 8413,	5611, 5711, 5768,	9962, 9988, 10000,
11263, 11798,	6111, 6172, 6236,	10013, 10024,
12270, 13223,	6242, 6497, 6499,	10029, 10051,
13230, 13313,	6503, 6505, 6650,	10061, 10071,
15697, 18687, 20144	6652, 6656, 6658,	10097, 10109,
\AtBeginPackage .. 14438	7293, 7294, 7311,	10122, 10133,
\AtEndDocument . 1802,	7315, 7530, 7705,	10138, 10220,
2537, 3327, 4237,	10957, 11421,	10282, 10317,
6256, 6312, 13815,	13043, 13051,	10329, 10341,
13866, 13884, 20923	13584, 13594,	10372, 10391,
\AtEndOfClass 2372	13691, 13708,	10405, 10423,
\AtPageLowerLeft .. 8243	15355, 15358,	10433, 10442, 10451
\AtPageUpperLeft ..	15372, 15396,	\BCmd 2085
... 8243, 8257, 8275	15400, 15405,	\BDefaboveskip
\AtTextUpperLeft ..	15409, 15421,	... 2100, 2115, 2118
..... 8247, 8263	15432, 15459,	\BDefbelowskip
\author 321,	15692, 15820,	... 2104, 2116, 2119
439, 475, 779, 824,	15822, 15826,	\BDefinlineskip ...
1031, 1076, 1281,	15828, 16243,	... 2109, 2117, 2120
1326, 1989, 5814,	16245, 16249,	\begin 405, 415,
5846, 6568, 6745,	16251, 18007,	420, 483, 491, 729,
6834, 6870, 8555,	18010, 18012,	742, 753, 832, 838,
8589, 8652, 8688,	18017, 18683,	981, 994, 1005,
10655, 10689,	18722, 20371,	1084, 1090, 1231,



1244, 1255, 1335,	15885, 15964,	3989, 4000, 4012,
1341, 1350, 1352,	15970, 15998,	4033, 4043, 4054,
1353, 2079, 2081,	16013, 16024,	4204, 4318, 4330,
2090, 2092, 2095,	16108, 16116,	4365, 4734, 5153,
2488, 2492, 2494,	16125, 16127,	5399, 5428, 5457,
2496, 2498, 2502,	16128, 16258,	5831, 5848, 5864,
2510, 2513, 2548,	16278, 16283,	5876, 5909, 6213,
2661, 2665, 2685,	16359, 16455,	6280, 6287, 6294,
2689, 2716, 3362,	16465, 16470,	6324, 6435, 6459,
3368, 3390, 3394,	16533, 16541,	6612, 6636, 6840,
4094, 4540, 4541,	16830, 16850,	6900, 6915, 7004,
4554, 4557, 4631,	16855, 16865,	7123, 7177, 7186,
4632, 4638, 4639,	16878, 16882,	7376, 7435, 8248,
4646, 4647, 4672,	16962, 16968,	8264, 8449, 8462,
4673, 4710, 4713,	16979, 17021,	8561, 8658, 8717,
4716, 4719, 4723,	17379, 17399,	10219, 10281,
4724, 4908, 4909,	17404, 17414,	10552, 10568,
5527, 5583, 5590,	17427, 17431,	10661, 10801,
5597, 5604, 5611,	17511, 17517,	10839, 10923,
5624, 5632, 5754,	17528, 17601,	10939, 11190,
5759, 5892, 5939,	18078, 18098,	11199, 11358,
5962, 6344, 6518,	18103, 18113,	11373, 11380,
6531, 6542, 6695,	18126, 18130,	11432, 11465,
6708, 6719, 6763,	18210, 18216,	11607, 11660,
6775, 6800, 6810,	18227, 18284,	11834, 11850,
6815, 6878, 6886,	18950, 20258,	12020, 12299,
7196, 7206, 7219,	20265, 20268,	12310, 12321,
7229, 7242, 7252,	20279, 20292,	12332, 12430,
7265, 7275, 7824,	20295, 20302,	12450, 12488,
7930, 7935, 7953,	20308, 20331,	12521, 12552,
8122, 8125, 8129,	20335, 20341, 20348	12583, 12817,
8131, 8136, 8138,	\begin@bidi@stack .	12832, 12895,
8142, 8145, 8148,	. . . . 2655, 2665,	12921, 12990,
8152, 8154, 8158,	2666, 2679, 2689, 2690	13020, 13207,
8160, 8164, 8167,	\begingroup . . . 6, 119,	13572, 14340,
8170, 8174, 8176,	201, 302, 315, 372,	14470, 14571,
8181, 8183, 8332,	384, 445, 505, 522,	14668, 14878,
8398, 8525, 8533,	656, 682, 796, 884,	14882, 14886,
8538, 8597, 8603,	900, 1048, 1139,	15229, 15277,
8618, 8628, 8633,	1166, 1298, 1479,	15568, 15782,
8696, 8704, 8796,	1971, 2214, 2222,	15806, 15928,
10625, 10633,	2230, 2609, 2637,	16069, 16154,
10638, 10697,	2656, 2680, 2899,	16178, 16308,
10703, 10849,	2918, 3057, 3103,	16370, 16385,
12021, 12026,	3110, 3140, 3156,	16495, 16555,
12044, 12147,	3172, 3212, 3220,	16570, 16904,
12149, 12163,	3253, 3301, 3425,	17020, 17113,
12165, 12943,	3633, 3635, 3657,	17453, 17600,
14483, 15179,	3667, 3677, 3807,	17693, 18152,
15861, 15874,	3884, 3908, 3923,	18283, 18376,



18770, 18884,	13655, 13665,	8494, 8721, 8744,
18908, 19047,	13756, 13764,	8750, 8759, 10557,
19474, 19582,	13955, 14281,	10571, 10582,
19993, 20110,	14446, 14448,	10587, 10595,
20450, 20493,	15345, 15470,	12890, 15787,
20542, 20638,	15477, 15482,	15809, 16159,
20969, 21012, 21223	15564, 15565,	16181, 16355,
\beginL 176,	15566, 16734,	16374, 16388,
1464, 1628, 1901,	16744, 16755,	16559, 16573,
2535, 5015, 5059,	16762, 17156,	16604, 16609,
7108, 7137, 7143,	17736, 18419,	16617, 19478,
7145, 7177, 9194,	18662, 18684,	19587, 19936,
9246, 9302, 9351,	18723, 18845,	19940, 19945, 19974
9406, 9458, 9515,	20442, 20446,	\bgroup 171, 172,
9567, 9624, 9676,	20485, 20489,	372, 387, 392, 397,
9733, 9785, 9842,	20542, 20547,	630, 1189, 1465,
9894, 9951, 10003,	20554, 20559,	1597, 1878, 2174,
10060, 10112,	20794, 20797,	2296, 6145, 6370,
10742, 10853,	20800, 20817,	6384, 7037, 7109,
10868, 11035,	20824, 20849,	10853, 10854,
11800, 11806,	21163, 21197,	10868, 11324,
11815, 11835,	21214, 21216,	11485, 13576,
11851, 11861,	21277, 21293,	13578, 13618,
12654, 13176,	21312, 21315, 21323	13652, 13655,
15278, 15470,	\belowcaptionskip .	13675, 14683,
15476, 15492,	. . . . . 13186,	15289, 15478,
15568, 16740,	13612, 13614,	15484, 15488,
16751, 16758,	14436, 14453,	15494, 15498,
16768, 18838,	17162, 17170,	15503, 15506,
20441, 20446,	17181, 17193,	15511, 15756,
20448, 20542,	17742, 17750,	16206, 18662,
20547, 20553,	17761, 17773,	18670, 18678,
20569, 21119,	18425, 18433,	18684, 18715,
21197, 21277, 21293	18444, 18456, 21317	18719, 18723,
\beginR 174,	\belowdisplayskip	20102, 20555,
336, 341, 372, 397,	. . . 4442, 4451, 5661	20561, 20565,
1465, 2184, 5015,	\belowdisplayskip .	20571, 20575,
5103, 7035, 7109,	. . . . . 4443,	20581, 20584,
7138, 7143, 7152,	4456, 4491, 5666	20590, 20638,
7158, 7177, 8241,	\bf 1907, 15341, 15343	20644, 20824,
9154, 9158, 10878,	\bfseries . . . 25, 303,	20833, 20841, 20849
11802, 11807,	509, 525, 554, 557,	\bib@after@hook 17065,
11864, 11903,	661, 685, 887, 905,	17067, 17645,
11910, 12279,	1144, 1169, 1636,	17647, 18328, 18330
12287, 12669,	2035, 2505, 5891,	\bib@before@hook . .
12705, 12737,	6440, 6462, 6617,	. . . . . 17015,
12766, 12792,	6639, 6764, 6776,	17066, 17595,
12798, 12805,	6904, 6918, 6950,	17646, 18278, 18329
12936, 13176,	6956, 6964, 8452,	\bib@beginhook 17008,
13588, 13652,	8467, 8482, 8485,	17014, 17588,



17594, 18271, 18277	\bidi@footnotetext@font	\bidi@afterendpreamblehook
\bib@endhook . . . . .	. . . 38, 241, 5329,	. . . . . 3306,
. 17069, 17649, 18332	11210, 11217, 11308	3307, 3311, 3313
\bib@heading	\bidi@loadwithoptions	\bidi@AfterFile 3977,
. 17010, 17593, 18276	. . . . . 3903,	17173, 17753, 18436
\bibcleanup 15086	3910, 3913, 3917	\bidi@AfterFooter .
\bibentry 5201,	\bidi@LTRfootnotetext@font	. . . . . 3285, 21295
5203, 5220, 5222,	. . . 68, 270, 5347,	\bidi@Afterfooterhook
5239, 5241, 5271, 5273	11211, 11250, 11294	. . . 3285, 3286, 21296
\bibfont 15065	\bidi@null . . . 3525, 3526	\bidi@AfterLastShipout
\bibindent . . . 2539, 2540	\bidi@onefilewithoptions	. . . 3329, 3335, 3341
\bibitem@fin 15080	. . . 3925, 3928, 3931	\bidi@afterlastshipouthook
\biblio@font 85, 288, 12850	\bidi@patchcmd 3105, 3107	. . . . . 3329,
\bibliographyitemlabel	\bidi@RTLfootnotetext@font	3330, 3336, 3342
. 2541, 2548	. . . 52, 255, 5365,	\bidi@AfterOutputBoxOutputPage
\bibname . . 5747, 5748,	11212, 11234, 11280	. 3279, 10969, 21286
6478, 6479, 6666,	\bidi@thebibliography@font	\bidi@Afteroutputboxoutputpagehook
6667, 6975, 6976,	. . . 88, 291, 566,	. . . . . 3279,
8770, 8771, 10607,	701, 964, 1214,	3280, 10970, 21287
10608, 15830,	2547, 6481, 6669,	\bidi@AfterOutputPageShipOut
15831, 16224,	6978, 8502, 8773,	. 3289, 10972, 21299
16225, 16418,	10610, 12853,	\bidi@afteroutputpageshipouthook
16419, 16621, 16622	14482, 15067,	. . . . . 3289,
\bibpostamble 15081	15833, 16227,	3290, 10973, 21300
\bibpreamble	16421, 16624,	\bidi@AfterPackage 4025
. . 15064, 17011,	17024, 17604,	\bidi@AfterPreamble
17012, 17590,	18287, 18953, 20669	. . 3303, 3304, 13120
17591, 18273, 18274	\bidi@addto@envbody	\bidi@AfterReadingMainAux
\bibsection 5742, 5745,	. . . 2651, 2669, 2671	. . . . . 4307, 4310
5747, 5748, 14480,	\bidi@addto@long@envbody	\bidi@append . . 3214, 3264
15062, 18947, 18949	. . . 2675, 2693, 2695	\bidi@append@cslist@to@cslist
\bidi@convert@dimen@to@pt	\bidi@AfterAtEndOfClass	. . . . . 3642, 3711
. 2837	. . . . . 3992, 3997	\bidi@append@list@to@list
\bidi@convert@dimen@to@unit	\bidi@AfterAtEndOfPackage	. . . . . 3640, 3720
. 2834	. . . . . 4036, 4040	\bidi@append@to@list
\bidi@diagbox@double@ii	\bidi@AfterClass . . 3980	. . . . . 3621, 3639
. 8123, 8127	\bidi@AfterEndDocument	\bidi@append@toks@cs@to@list
. 8126, 8134	. . . 3344, 3349, 3355	. . . . . 3644
\bidi@diagbox@double@iii	\bidi@AfterEndDocumentCheck	\bidi@Asp . . . 2993,
. 8126, 8134	. . . 2588, 3316, 3321	3037, 3309, 4347
\bidi@diagbox@triple@setbox@NW@tabular@ii	\bidi@afterenddocumentcheck	\bidi@Asp@hook 3210, 3211
. . . 8143, 8146, 8150	. . . 3316, 3317, 3322	\bidi@are@these@correct
\bidi@diagbox@triple@setbox@NW@tabular@iii	\bidi@afterenddocumenthook	. . . . . 3618, 3621
. 8149, 8156	. . . . . 3344,	\bidi@AtBeginEnvironment
\bidi@diagbox@triple@setbox@SE@tabular@ii	. . . 3345, 3350, 3356	. . . . . 3359, 3369
. 8165, 8172	\bidi@AtBeginEnvironment	\bidi@AtEndEnvironment
\bidi@diagbox@triple@setbox@SE@tabular@iii	. . . . . 3399, 3409	. . . . . 3373, 3383
. . . 8168, 8171, 8179	\bidi@AtEndEnvironment	\bidi@AtEndOutputPage
\bidi@end . . . 3353, 3357	. . . 3306, 3310, 3312,	. . . . . 2632,
	3327, 4389, 5905, 5928	3292, 10978, 21305



\bidi@atendoutputpagehook	\bidi@collect@long@@body	\bidi@csxpreto 3049,3051
..... 3292,	..... 2681,2688	\bidi@current@column@status
3293, 10979, 21306	\bidi@collect@long@body	. 20888,20891,20924
\bidi@AtEndPreamble	..... 2676	\bidi@dbg@fail
..... 1779,	\bidi@column@check@number	3065,3075,3076,
3267, 3297, 3299,	. . 20886,20902,	3077, 3078, 3084,
3304, 4387, 5185,	20904, 20906, 20918	3093, 3099, 3206,
13189, 14844, 14900	\bidi@column@status	3228,3240,3241,3250
\bidi@autofooterulefalse	. . 1719,1723,20888	\bidi@dbg@info . 3066,
. 11138,11142,11145	\bidi@column@type .	3068, 3071, 3073,
\bidi@autofooteruletrue	. 20903,20908,20919	3074, 3085, 3087,
..... 11160	\bidi@copy@stacktop 3696	3089, 3091, 3092,
\bidi@backslash 3442,3443	\bidi@copyins@amount	3094, 3096, 3098,
\bidi@BeforeBeginEnvironment	. . 11679,11680,	3204, 3229, 3231,
..... 3387,3395	11681, 11684,	3233, 3236, 3242, 3244
\bidi@BeforeClass . 3978	11689, 11690, 11702	\bidi@dbg@init . 3063,
\bidi@BeforeClosingMainAux	\bidi@counter@page	3082, 3203, 3226
.... 4270,4281,	..... 2602,2631	\bidi@dbg@succ . 3109,
4285,4288,4296,4299	\bidi@cs@a . . . 3527,3528	3205,3237,3245,3247
\bidi@BeforeFile . . 3976	\bidi@cs@e 3690,3691,	\bidi@dbg@trce . 3056,
\bidi@BeforeFooter	3693,3694,3697,3699	3102,3202,3211,3219
..... 3282,21288	\bidi@cs@lista	\bidi@default
\bidi@beforefooterhook	.... 3663,3664,	.... 3569,3574,
. . 3282,3283,21289	3665,3666,3675,3676	3579,3584,3590,3595
\bidi@BeforeHeader	\bidi@cs@listb 3660,3662	\bidi@del@tok@from@list
. 3273,10962,21271	\bidi@cs@liste 3658,3663	..... 3657
\bidi@beforeheaderhook	\bidi@csappto 3037	\bidi@digits
..... 3273,	\bidi@cs@sarg .....	.... 1769,1775,1776
3274, 10963, 21272	3454,3470,3544,	\bidi@digits@charclass
\bidi@BeforeOutputBoxOutputPage	3551, 3569, 3574,	..... 1771,
. 3276,10966,21283	3579, 3584, 3590,	1775, 1776, 1777
\bidi@beforeoutputboxoutputpagehook	3595, 3637, 3649,	\bidi@dummies
..... 3276,	3654, 3665, 3675,	.... 3549,3551,3552
3277, 10967, 21284	3684,3694,3698,3702	\bidi@eappto
\bidi@BeforeOutputPageShipOut	\bidi@csdefcs 2905	.... 2997,3010,3038
. 3270,10944,21229	\bidi@cs@eappto 3038,3041	\bidi@empty 1784,
\bidi@beforeoutputpageshipoutpagehook	\bidi@cs@epreto 3047,3050	1785,3524,3527,3528
..... 3270,	\bidi@cs@gappto . 3039,	\bidi@empty@stack .
3271, 10945, 21230	3360,3374,3388,3400	..... 3701,3707
\bidi@BeforePackage 4023	\bidi@cs@gapreto 3048	\bidi@empty@toks . .
\bidi@bswitch . 3584,3586	\bidi@cs@let 2911	.... 3714,3717,3721
\bidi@CharsBefore .	\bidi@cs@letcs 2908	\bidi@endpreamblehook
3499,3501,3502,	\bidi@cs@name ... 3466,	..... 3267,
3507,3511,3512,3517	3617,3623,3660,3694	3268, 3298, 3300
\bidi@CharsBeforeNC 3500	\bidi@cs@preto 3046	\bidi@ensure@new@command
\bidi@clearpage 3338,3340	\bidi@cs@protect ... 3763	..... 2916,2917
\bidi@collect@@body	\bidi@cs@suse 2980,	\bidi@ensure@newcommand
..... 2657,2664	3364,3378,3391,3404	..... 2916,
\bidi@collect@body 2652	\bidi@cs@switch . 3579,3581	8970, 8982, 8983,
	\bidi@cs@xappto 3040,3042	8984, 8990, 8991,



8995, 8996, 8997,	10149, 10156,	3276, 3279, 3282,
8998, 9010, 9022,	10160, 10170,	3285, 3289, 3292,
9044, 9045, 9073,	10178, 10191,	3306, 3316, 3329, 3344
9074, 9075, 9076,	10309, 10327,	\bidi@gobbleopt 4227, 4236
9079, 9085, 9087,	10339, 10351,	\bidi@gpreto .. 3023, 3048
9112, 9113, 9131,	10355, 10359,	\bidi@hook@acma 4251,
9146, 9149, 9152,	10363, 10388,	4295, 4308, 4309, 4314
9157, 9160, 9162,	10402, 10416,	\bidi@hook@bcma 4245,
9166, 9184, 9194,	10426, 10436,	4294, 4297, 4298, 4304
9204, 9214, 9219,	10445, 10454,	\bidi@hooktocmd ...
9222, 9225, 9228,	10466, 10472,	... 3214, 3222, 3224
9240, 9253, 9265,	10476, 10487, 10488	\bidi@hooktocmd@i .
9270, 9275, 9293,	\bidi@ensure@newlength	..... 3238, 3252
9302, 9311, 9320,	... 2923, 8994, 9077	\bidi@hop@ES .. 3488, 3490
9325, 9328, 9331,	\bidi@epreto	\bidi@ifblank@i ...
9334, 9345, 9357,	... 3019, 3032, 3047	... 2877, 2878, 2880
9368, 9373, 9378,	\bidi@eqs@a ... 3480, 3481	\bidi@ifdefmacro 2883,
9396, 9406, 9416,	\bidi@eqs@b ... 3480, 3481	2885, 2886, 2887
9426, 9431, 9434,	\bidi@EqualString . 3480	\bidi@ifdefparam 3184,
9437, 9440, 9452,	\bidi@EqualStringX 3485	3186, 3187, 3188
9465, 9477, 9482,	\bidi@error 2925,	\bidi@ifdefprotected
9487, 9505, 9515,	2965, 3554, 3653, 3822	..... 3193,
9525, 9535, 9540,	\bidi@everyjob . 1524,	3195, 3196, 3197
9543, 9546, 9549,	1525, 1846, 1847	\bidi@ifEmpty 3527
9561, 9574, 9586,	\bidi@excludedpackages	\bidi@ifempty 3525
9591, 9596, 9614,	4064, 4065, 4085,	\bidi@ifEmptyX 3526
9624, 9634, 9644,	4121, 4138, 4146,	\bidi@ifhashcheck .
9649, 9652, 9655,	4156, 4178, 4179,	... 3070, 3155, 3235
9658, 9670, 9683,	4187, 4188, 4193, 4206	\bidi@ifhashcheck@i
9695, 9700, 9705,	\bidi@expandonce ..	..... 3159, 3161
9723, 9733, 9743,	2985, 2996, 3000,	\bidi@ifhashcheck@ii
9753, 9758, 9761,	3004, 3008, 3018,	..... 3163,
9764, 9767, 9779,	3022, 3026, 3030, 3248	3166, 3167, 3168
9792, 9804, 9809,	\bidi@ff@box 10986, 11004	\bidi@ifNextChar .. 3535
9814, 9832, 9842,	\bidi@firstcolumn@status@writ	\bidi@ifpatchable .
9852, 9862, 9867,	..... 1717,	... 3059, 3061, 3108
9870, 9873, 9876,	1725, 7357, 7416,	\bidi@ifpatchable@i
9888, 9901, 9913,	10792, 10828,	..... 3059, 3080
9918, 9923, 9941,	11596, 11649,	\bidi@ifpattern 3072, 3171
9951, 9961, 9971,	14559, 14655,	\bidi@ifscanable 3069,
9976, 9979, 9982,	20895, 20958, 21001	3090, 3139, 3234
9985, 9997, 10010,	\bidi@font@@outputpage	\bidi@in@front@of@cslist
10022, 10027,	. 10952, 21220, 21262	..... 3666, 3667
10032, 10050,	\bidi@footdir@footnote	\bidi@in@front@of@list
10060, 10070,	..... 79, 282,	..... 3665
10080, 10085,	11265, 11267, 11271	\bidi@info 2927
10088, 10091,	\bidi@fswitch . 3595, 3597	\bidi@init@mult@footinsv@l
10094, 10106,	\bidi@gappto .....	..... 14914, 14928
10119, 10131,	2626, 3001, 3039,	\bidi@init@mult@footinsv@r
10136, 10141,	3267, 3270, 3273,	..... 14910, 14926



\bidi@invert@csstack	13367, 13370,	\bidi@loadwithoptions
..... 3706	13373, 13376,	... 3904, 3905, 3910
\bidi@IsEmptyList . 3528	13379, 13382,	\bidi@local@in@front@of@list
\bidi@isloaded	13385, 13388,	..... 3670, 3687
... 3131, 13239,	13391, 13394,	\bidi@local@push@onto
13240, 13241,	13397, 13400,	..... 3686
13242, 13243,	13403, 13406,	\bidi@looprepeat@comp
13244, 13245,	13409, 13412,	... 3780, 3816, 3821
13246, 13247,	13415, 13418,	\bidi@looprepeat@csarg
13248, 13249,	13421, 13424,	..... 3758, 3810
13250, 13251,	13427, 13430,	\bidi@looprepeat@csargromannumeral
13252, 13253,	13433, 13436,	..... 3760,
13254, 13255,	13439, 13442,	3775, 3776, 3777,
13256, 13257,	13445, 13448,	3778, 3779, 3782,
13258, 13259,	13451, 13454,	3787, 3788, 3789,
13260, 13261,	13457, 13460,	3790, 3791, 3793,
13262, 13263,	13463, 13466,	3799, 3812, 3814,
13264, 13265,	13469, 13472,	3815, 3816, 3823,
13266, 13267,	13475, 13478,	3824, 3826, 3831, 3839
13268, 13269,	13481, 13484,	\bidi@looprepeat@csromannumeral
13270, 13271,	13487, 13490,	.... 3759, 3783,
13272, 13273,	13493, 13496,	3791, 3794, 3810, 3838
13274, 13275,	13499, 13502,	\bidi@looprepeat@depth
13276, 13277,	13505, 13508,	..... 3759,
13278, 13279,	13511, 13514,	3760, 3762, 3774, 3800
13280, 13281,	13517, 13520,	\bidi@looprepeat@dxbody
13282, 13283,	13523, 13526, 13529	..... 3783, 3787
13284, 13285,	\bidi@lastcolumn@status@width	\bidi@looprepeat@setup
13286, 13287,	.... 1721, 1726,	..... 3780, 3806
13288, 13289,	7361, 7422, 10796,	\bidi@looprepeat@sign
13290, 13291,	10834, 11602,	... 3780, 3791, 3821
13292, 13293,	11653, 14563,	\bidi@looprepeat@tmp
13294, 13295,	14661, 20962, 21007	3781, 3782, 3809,
13296, 13297,	\bidi@leave@mult@copyins	3811, 3814, 3819,
13298, 13299,	..... 14896, 14988	3826, 3829, 3831, 3834
13300, 13301,	\bidi@leave@mult@footins@width	\bidi@looprepeat@traceexit
13302, 13303,	..... 14906, 14984	..... 3765, 3800
13304, 13305,	\bidi@leave@mult@footins@width	\bidi@looprepeat@traceinit
13306, 13307,	..... 14902, 14980	..... 3765, 3773
13308, 13309,	\bidi@leftskip	\bidi@looprepeat@zero
13310, 13311,	.. 19479, 19480,	... 3780, 3799, 3837
13312, 13315,	19481, 19588,	\bidi@lst@caption@direction
13318, 13321,	19608, 19639,	..... 13138,
13324, 13327,	19640, 19672, 20593	13139, 13151, 13154
13330, 13333,	\bidi@length@of@csstack	\bidi@lst@caption@script
13336, 13340,	... 3702, 3703, 3706	..... 13145,
13343, 13346,	\bidi@length@of@stack	13146, 13162, 13165
13349, 13352,	..... 3702, 3716	\bidi@lst@ensure@caption@direction
13355, 13358,	\bidi@load@hook 3896,	..... 13149,
13361, 13364,	3899, 3932, 3969	13174, 13176,



13178, 13197, 13201, 13208, 13217	1594, 2936, 2937, 2961, 2972, 2993, 2997, 3001, 3005, 3010, 3011, 3015, 3019, 3023, 3027, 3032, 3033, 3037, 3038, 3039, 3040, 3041, 3042, 3046, 3047, 3048, 3049, 3050, 3051, 3055, 3101, 3200, 3210, 3218, 3267, 3270, 3273, 3276, 3279, 3282, 3285, 3289, 3292, 3303, 3306, 3316, 3329, 3344, 3359, 3373, 3387, 3399, 20627, 20629	\bidi@orig@raggedleft . 20787, 20789, 20790 \bidi@orig@raggedright . 20788, 20789, 20790 \bidi@orig@rightline . 20803, 20804, 20805 \bidi@oswitch 3574 \bidi@p@ftn 1128, 2191, 2193, 2194, 2196, 2197, 2199, 2200, 2204, 2207, 2210, 2315 \bidi@p@ftntext 2175, 2192, 2297 \bidi@p@LTrftntext . . . 2176, 2195, 2298 \bidi@p@RTLftntext . . . 2177, 2198, 2299 \bidi@p@xfootnote 2179, 2213, 2301 \bidi@p@xftntext 2178, 2203, 2218, 2300 \bidi@p@xLTrfootnote . . . 2181, 2221, 2303 \bidi@p@xLTrftntext 2180, 2206, 2226, 2302 \bidi@p@xRTLfootnote . . . 2183, 2229, 2305 \bidi@p@xRTLftntext 2182, 2209, 2234, 2304 \bidi@page@count 2569, 2570, 2604, 2633 \bidi@paraskip 10227, 10230, 10234, 10289, 10292, 10296 \bidi@patch@@AfterPackage 4359, 4364 \bidi@patch@Add 4346, 4375 \bidi@patch@AfterPackage 4349, 5297, 5299, 5302, 5323, 5474, 5524, 5580, 5824 \bidi@patch@counter 4327, 4331, 4334, 4340, 4341, 4360 \bidi@patch@gtmp 4367, 4374 \bidi@patch@list 4345, 4347, 4385, 4387, 4394
\bidi@lst@ensure@caption@script . 13160, 13172, 13216 \bidi@make@mppara@LTrfootgroup . 10216, 10278, 10445 \bidi@make@para@footstart@@ . 10207, 10265, 10466 \bidi@make@para@LTrfootgroup . 10205, 10263, 10426 \bidi@make@colbf 10528, 10542 \bidi@matrix@check 2708, 20654 \bidi@matrix@error 2710, 2714 \bidi@mopfn@bottom 9133, 10457, 10493, 10506, 10543, 10544 \bidi@mopfootnotebf 10502, 10536 \bidi@mpfootnoterule . . 11042, 11276, 11290, 11304, 11342, 13730, 18864 \bidi@mswitch . 3590, 3592 \bidi@multicol@align@columns 14783, 14837, 14840, 14842 \bidi@n@everypar 15472, 15473, 15474, 15475, 20364, 20549, 20550, 20551, 20552 \bidi@namedef 3411 \bidi@nameedef 3413 \bidi@namegdef 2631, 3412 \bidi@namelongdef . 2914 \bidi@namexdef 3414 \bidi@new@command 2937, 2939, 2968, 2976 \bidi@new@ifnch 2702, 2704 \bidi@new@ifnextchar 2699, 20659 \bidi@newcommand 2939, 2941 \bidi@newrobustcmd 1592,	\bidi@next 3501, 3502, 3504, 3506, 3507, 3509, 3514, 3516, 3517, 3519 \bidi@NextChar 3532 \bidi@normal@footmarkwidth 8979, 9037, 9043, 9182, 9291, 9394, 9503, 9612, 9721, 9830, 9939, 10048, 10243, 10305 \bidi@notblank . 2879, 2887, 3188, 3197 \bidi@nxt@a 3533, 3536, 3538 \bidi@nxt@b 3533, 3536, 3539 \bidi@nxt@c 3534, 3537, 3538 \bidi@nxt@ch 3533, 3536, 3538 \bidi@o@everypar 15471, 15473, 15474, 20548, 20550, 20551 \bidi@oldwbuskip 3652, 3655 \bidi@onefilewithoptions 3920, 3921, 3925 \bidi@orig@leftline . 20802, 20804, 20805	



\bidi@patch@OrgIfClassLate	\bidi@PreventPackageFromLoading	15006,	15008,
..... 4393, 4398	..... 4067,	15011,	15013,
\bidi@patch@OrgIfClassLoaded	4081, 4111, 4144	15015,	15017,
..... 4392, 4397	\bidi@process@envbody	15020,	15022,
\bidi@patch@OrgIfPackageLater	..... 2654,	15024,	15026,
..... 4391, 4396	2658, 2659, 2673,	15028,	15031,
\bidi@patch@OrgIfPackageLoaded	2678, 2682, 2683, 2697	15033,	15036,
..... 4390, 4395	\bidi@protected ...	15038,	15041,
\bidi@patch@stepcounter	.... 2988, 3010,	15043,	15045,
... 4329, 4339, 4358	3011, 3032, 3033,	15048,	15050,
\bidi@patch@temp ..	3041, 3042, 3050, 3051	15052,	15055,
..... 4357, 4361	\bidi@protected@cseappto	15057, 15059, 20791	
\bidi@patch@try 4376, 4379	..... 3041	\bidi@rcol@copyinsskip	
\bidi@patchcmd	\bidi@protected@csprepto	..... 11559,	
..... 171, 179,	..... 3050	11564, 11573, 11622	
188, 3101, 3102,	\bidi@protected@csxappto	\bidi@redefine@newpage	
3319, 3332, 3347,	..... 3042	..... 4261, 4301	
3362, 3376, 3402,	\bidi@protected@csxpreto	\bidi@reflect@box .	
4618, 8121, 8124,	..... 3051	.. 15549, 15556,	
8141, 8144, 8147,	\bidi@protected@eappto	20621, 20628, 20630	
8163, 8166, 8169,	..... 3010	\bidi@reinsert@footnotesv@1	
8187, 8195, 8203,	\bidi@protected@epreto	.. 14920, 14929,	
8212, 8221, 8230,	..... 3032	14957, 14964, 14971	
11947, 13096,	\bidi@protected@immediate@write	\bidi@reinsert@footnotesv@r	
13102, 13110,	... 4300, 4311, 4317	.. 14918, 14927,	
13190, 13203,	\bidi@protected@xappto	14956, 14963, 14970	
14922, 14931,	..... 3011	\bidi@renew@command	
14952, 14959,	\bidi@protected@xpreto	... 2961, 2963, 2977	
14966, 14974,	..... 3033	\bidi@renewrobustcmd	
18853, 18861, 21025	\bidi@provide@command	..... 2961	
\bidi@patchcmd@scantoks	..... 2972, 2974	\bidi@ReplaceClass 3951	
... 3119, 3125, 3260	\bidi@providerobustcmd	\bidi@replacefile@msg	
\bidi@pdfencrypt@keylength	..... 2972	..... 3888,	
..... 1645, 1797	\bidi@push@begins .	3912, 3927, 3965	
\bidi@pdfencrypt@ownerpassword	... 2661, 2662, 2665	\bidi@ReplaceInput 3935	
... 1642, 1784, 1796	\bidi@push@cs@onto@cs	\bidi@ReplacePackage	
\bidi@pdfencrypt@permissionflags	..... 3683, 3710	..... 3948	
..... 1648, 1798	\bidi@push@long@begins	\bidi@RequirePackage	
\bidi@pdfencrypt@userpassword	... 2685, 2686, 2689	... 4087, 4147, 4198	
... 1639, 1785, 1795	\bidi@push@onto ... 3684	\bidi@ResetPreventPackageFromLoading	
\bidi@pdfm@mark 1919, 1934	\bidi@push@onto@cs	..... 4139,	
\bidi@pickescape .. 3475	..... 3684, 3685	4145, 4154, 4193	
\bidi@pop@cs@into .	\bidi@raggedleft 2482,	\bidi@resrvda	
..... 3690, 3709	2489, 2494, 2513,	3111, 3112, 3113,	
\bidi@pop@into 3693, 3719	7820, 7936, 10760,	3116, 3117, 3118,	
\bidi@prepend . 3222, 3265	10766, 12063, 20792	3119, 3120, 3121,	
\bidi@preto	\bidi@raggedright .	3126, 3129, 3141,	
... 3015, 3046, 3295	.. 10758, 10764,	3142, 3143, 3144,	
\bidi@pretocmd . 3218,	14996, 14999,	3145, 3147, 3148,	
3219, 3390, 3434	15001, 15004,	3157, 3159, 3173,	



3174, 3176, 3178, 3179, 3254, 3255, 3256, 3257, 3258, 3259, 3260, 3261, 3262	\bidi@set@load@hook 3973, 3976, 3977, 3979, 3998, 4010, 4024, 4041, 4052	\bidi@temptoksb 3448, 3709, 3710, 3711, 3712 \bidi@todonotes@tempa 20240, 20248
\bidi@resrvdb . 3113, 3114	\bidi@SOUL@ulleaders 18643, 18649	\bidi@todonotes@tempb 20240, 20241, 20248, 20249
\bidi@restore@newpage ... 4246, 4263, 4293	\bidi@stack@length 3701, 3703, 3704, 3708, 3709, 3718, 3719	\bidi@tok@SM .. 3658, 3663 \bidi@toks@lista ..
\bidi@restore@catcode 3459	\bidi@star@footmarkwidth 8979, 9040, 9182, 9291, 9394, 9503, 9612, 9721, 9830, 9939, 10048, 10243, 10305	3631, 3633, 3634, 3635, 3636, 3659, 3661, 3667, 3668, 3670, 3672, 3677, 3678 \bidi@toks@listb ..
\bidi@RTL@everypar .. 10316, 10328, 10340, 10371, 10390, 10404, 15470, 15474, 18602, 20547, 20551	\bidi@store@catcode 3452 \bidi@StorePreventPackageFromLoading 4155, 4158	\bidi@undef 3121, 3262, 3300, 3313, 19334, 19335, 19491, 19492, 19693, 19694
\bidi@s@tfftextcol 10983, 10987	\bidi@StringBefore 3510 \bidi@StringBeforeNC 3498	\bidi@undefined ... 3200 \bidi@undefinedcs .
\bidi@s@saved@checkend ... 4238, 4241, 4259	\bidi@switch ... 3558, 3569, 3571, 3576	3544, 3551, 3606, 3610, 3616, 3620, 3653
\bidi@s@saved@clearpage ... 4243, 4244, 4247	\bidi@switch@exit . 3568, 3569, 3570, 3574, 3575, 3579, 3580, 3584, 3585, 3590, 3591, 3595, 3596	\bidi@UnPreventPackageFromLoading 4159
\bidi@s@saved@dofilelist 4249, 4252, 4253, 4260	\bidi@t@w@w 3619	\bidi@UnReplaceClass 3962
\bidi@s@saved@eqno 15560, 15562, 15563, 21318, 21320, 21321	\bidi@tabular@RTLcases 20634, 20661	\bidi@UnReplaceInput 3939
\bidi@s@saved@leqno 15561, 15562, 15563, 21319, 21320, 21321	\bidi@tempa 1654, 1660, 1666, 1672, 1678, 1684, 1696, 1702, 1708, 1715, 1729, 1736, 1746	\bidi@UnReplacePackage 3959
\bidi@s@saved@newpage 4262, 4273	\bidi@tempb 1654, 1655, 1660, 1661, 1666, 1667, 1672, 1673, 1678, 1679, 1684, 1685, 1696, 1697, 1702, 1703, 1708, 1709, 1715, 1716, 1729, 1730, 1736, 1737, 1746, 1747	\bidi@version .. 1496, 1497, 1511, 1526, 1528, 1534, 1540, 1574, 1577, 1580, 1818, 1833, 1851, 1853, 1910, 1913, 1916
\bidi@s@saved@RequirePackage 4066, 4086, 4097, 4149, 4151, 4229	\bidi@tempcountb 3446, 3707, 3708, 3717, 3718	\bidi@w@w 3606 \bidi@warning .. 2926, 3367, 3381, 3393, 3407
\bidi@s@sepmark@charclass 1772, 1773, 1774, 1777	\bidi@temptoksa 3447, 3707, 3710, 3711, 3712, 3714, 3717, 3721	\bidi@willbeunhskip ... 3646, 3652, 3655 \bidi@x@stack@to@list 3716
\bidi@set@column@status .. 20890, 20918, 20923		\bidi@xappto 3005, 3011, 3040
\bidi@set@cslist 3676, 3677		\bidi@xargdef . 2943, 2951 \bidi@xparaskip 10188, 10226, 10288, 10307
\bidi@set@list 3675		



\bidi@xpreto	\bidipoem@p@RTLftntext	\bl 15376, 15377,
. . . 3027, 3033, 3049	6149, 6160, 6266,	15380, 15381,
\bidicolor 7103,	6373, 6387, 12580	15382, 15386,
7159, 7174, 7176,	\bidipoem@p@xfootnote	15441, 15448, 15452
10984, 20490,	. . . . . 6151,	\blacktriangleleft
20537, 20540, 20541	6162, 6279, 6375, 6389	. . . . . 11401, 11403
\bidics 3443	\bidipoem@p@xftntext	\blacktriangleright
\bididate . 1495, 1497,	. . . . 6150, 6161,	. . . . . 11401, 11403
1511, 1574, 1577,	6270, 6284, 6374, 6388	\bm@b 20867
1816, 1833, 1910, 1913	\bidipoem@p@xLTRfootnote	\bm@l 20864
\bidiGscale@box . .	. . . . . 6153,	\bm@r 20865
. 11883, 11884	6164, 6286, 6377, 6391	\bm@t 20866
\bidiGscale@box . . .	\bidipoem@p@xLTRftntext	\bool . . . 13756, 13764,
. 11860, 11861, 11880	. . . . 6152, 6163,	13895, 13912,
\bidiGscale@box@dd	6273, 6291, 6376, 6390	13913, 13957,
. 11892, 11896, 11902	\bidipoem@p@xRTLfootnote	13963, 13978,
\bidiGscale@box@dddd	. . . . . 6155,	14001, 14004,
. 11898, 11909	6166, 6293, 6379, 6393	14024, 14029,
\bidillap 20807	\bidipoem@p@xRTLftntext	14041, 14058,
\bidipdfinfooff . . . 1931	. . . . 6154, 6165,	14059, 14062,
\bidipdfinfoon 1930, 1936	6276, 6298, 6378, 6392	14079, 14104,
\bidipoem@h@vlen 6069,	\bidipoem@set@verse	14111, 14117,
6075, 6078, 6081, 6090	. . . 6075, 6078, 6080	14123, 14133,
\bidipoem@half@verses	\bidipoem@set@verseI	14140, 14162,
. . . 6095, 6096, 6099	. . . . . 6074, 6077	14274, 14277,
\bidipoem@half@verses@next	\bidipoem@spreadbox	14285, 14286,
. . . 6095, 6096, 6097	. . . . . 6064,	15210, 15212, 15221
\bidipoem@hvind . . .	6086, 6088, 6089, 6090	\boolean
6069, 6072, 6073,	\bidirlap 20806	4406, 4466, 4468,
6081, 6082, 6085, 6088	\bidituftefloatDebugInfoNL	4471, 4475, 4478,
\bidipoem@hvlen 6068,	. . . . . 4406,	4481, 4506, 4602,
6073, 6075, 6086, 6088	4494, 4498, 4793, 4842	4617, 4628, 4648,
\bidipoem@hvsep 6068,	\bidituftefloatError	4655, 4663, 4680,
6081, 6082, 6089	. . . . . 4405, 4888	4700, 4704, 4722,
\bidipoem@next 6074, 6075	\bidituftefloatInfoNL	4723, 4726, 4727,
\bidipoem@openbox .	. . . 4406, 4407, 4957	4762, 4771, 4782,
. 6113, 6118	\bidituftefloatRecalculate	5527, 5531, 5579,
\bidipoem@p@ftn 6120,	. . . . . 4523, 4534	5792, 5929, 5998,
6130, 6261, 6262,	\bidituftehyperrefLoadHyperref	6009, 10998, 15235
6264, 6265, 6267,	. . . . . 5782, 5793	\bookmark . . . 10977, 21304
6268, 6271, 6274,	\bidituftesidenotemarginpar	\box 1629,
6277, 6382, 12520,	. . . 4973, 5325, 5484	1902, 4943, 7010,
12530, 12551,	\bidituftetocError	7074, 7142, 7299,
12561, 12582, 12592	. . . 5513, 5560, 5569	7302, 7319, 7323,
\bidipoem@p@ftntext	\bidiversion . . 1526, 1848	7358, 7362, 7368,
6147, 6158, 6260,	\bigskip 15611	7369, 7417, 7423,
6371, 6385, 12518	\bigskipamount	7427, 7428, 7484,
\bidipoem@p@LTRftntext	9140, 9145, 10228,	7487, 7492, 7497,
6148, 6159, 6263,	10232, 10290, 10294	7521, 7660, 7662,
6372, 6386, 12549		7666, 7670, 7695,



7977, 7998, 8014,	18888, 18906,	\bx@AA . . . 4841, 4843, 4881
8071, 9152, 9157,	20434, 20435,	\bx@B 4828, 4869
10153, 10167,	20445, 20625,	\bx@b 4803, 4834, 4875
10176, 10519,	20809, 20959,	\bx@BB 4844, 4881
10530, 10793,	20963, 21002,	\bx@C 4828, 4869
10797, 10829,	21008, 21027,	\bx@c 4804, 4834, 4875
10835, 10878,	21043, 21175,	\bx@CC 4845, 4881
10968, 11001,	21191, 21202,	\bx@D 4828, 4869
11006, 11499,	21215, 21217,	\bx@d 4805, 4834, 4875
11506, 11509,	21281, 21285, 21315	\bx@DD 4846, 4881
11523, 11597,	\boxdef 2077,	\bx@E 4828, 4869
11603, 11650,	2079, 2085, 2090, 2095	\bx@e 4806, 4834, 4875
11654, 11693,	\boxmaxdepth . . . 7969,	\bx@EE 4847, 4881
11705, 11716,	7974, 7990, 7995,	\bx@F 4829, 4870
11726, 11739,	8022, 8079, 9047,	\bx@f 4807, 4835, 4876
11811, 11828,	10489, 10504,	\bx@FF 4848, 4882
11831, 11874,	10725, 11452,	\bx@G 4829, 4870
11877, 11907,	11454, 11778,	\bx@g 4808, 4835, 4876
11924, 13184,	21030, 21046, 21057	\bx@GG 4849, 4882
13592, 13646,	\br 15376, 15378,	\bx@H 4829, 4870
13652, 13974,	15380, 15381,	\bx@h 4809, 4835, 4876
14232, 14243,	15382, 15386,	\bx@HH 4850, 4882
14248, 14282,	15442, 15448, 15456	\bx@I 4829, 4870
14283, 14284,	\BR@b@bibitem . 5178, 5179	\bx@i 4810, 4835, 4876
14285, 14287,	\BR@bibitem . . . 5181, 5182	\bx@II 4851, 4882
14417, 14451,	\BR@c@bibitem 5183	\bx@J 4829, 4870
14560, 14564,	\bracetext	\bx@j 4811, 4835, 4876
14656, 14662,	1596, 1877, 15476,	\bx@JJ 4852, 4882
14799, 14805,	15477, 20553, 20554	\bx@K 4830, 4871
14823, 14831,	\break 13549	\bx@k 4812, 4836, 4877
15209, 15217,	\BreakBibliography	\bx@KK 4853, 4883
15222, 15345,	. . . . . 17017,	\bx@L 4830, 4871
15349, 15365,	17050, 17052,	\bx@l 4813, 4836, 4877
15399, 15403,	17058, 17597,	\bx@LL 4854, 4883
15408, 15412,	17630, 17632,	\bx@M 4830, 4871
15424, 15435,	17638, 18280,	\bx@m 4814, 4836, 4877
15449, 15452,	18313, 18315, 18321	\bx@MM 4855, 4883
15456, 15461,	\breaklooprepeat 3744,	\bx@N 4830, 4871
15537, 15553,	3746, 3798, 3799,	\bx@n 4815, 4836, 4877
15598, 15601,	3817, 3828, 3833, 3847	\bx@NN 4856, 4883
16665, 16674,	\breakrepeatloop . . 3773	\bx@O 4831, 4872
16712, 16723,	\bs 2045, 2046, 2048	\bx@o 4816, 4837, 4878
17146, 17156,	\bslice 15396,	\bx@OO 4857, 4884
17726, 17736,	15397, 15399,	\bx@P 4831, 4872
17956, 17962,	15409, 15410,	\bx@p 4817, 4837, 4878
17968, 17974,	15412, 15432,	\bx@PP 4858, 4884
17980, 17986,	15433, 15435,	\bx@Q 4831, 4872
17992, 17998,	15459, 15460, 15461	\bx@q 4818, 4837, 4878
18004, 18409,	\bx@A 4828, 4869	\bx@QQ 4859, 4884
18419, 18845,	\bx@a 4802, 4834, 4875	\bx@R 4831, 4872



\bx@r 4819, 4837, 4878	11025, 11027,	1240, 1299, 1972,
\bx@RR 4860, 4884	11028, 13234,	6527, 6704, 6841,
\bx@S 4792, 4794, 4832, 4873	14379, 15109,	8562, 8659, 10662,
\bx@s 4820, 4838, 4879	15853, 15855,	11351, 11365,
\bx@SS 4861, 4885	15857, 16218,	12333, 12443,
\bx@T 4795, 4832, 4873	16220, 16222,	12451, 12481,
\bx@t 4821, 4838, 4879	16407, 16409,	12489, 12930,
\bx@TT 4862, 4885	16411, 16589,	13626, 13629,
\bx@U 4796, 4832, 4873	16591, 16593, 16594	15870, 15929,
\bx@u 4822, 4838, 4879	\c@colht 14504,	16009, 16070,
\bx@UU 4863, 4885	14516, 14542,	16266, 16309,
\bx@V 4797, 4832, 4873	14543, 14604,	16496, 16841,
\bx@v 4823, 4838, 4879	14616, 14642, 14643	16905, 17390,
\bx@VV 4864, 4885	\c@curpg	17454, 18089, 18153
\bx@W 4798, 4833, 4874	. 10892, 10919, 10920	\c@Hy@AnnotLevel . .
\bx@w 4824, 4839, 4880	\c@DFNsloppiness . .	. . . . . 12655,
\bx@WW 4865, 4886	. . . . . 7967, 7988	12656, 12661, 12665
\bx@X 4799, 4833, 4874	\c@enumiv 567,	\c@L@lines
\bx@x 4825, 4839, 4880	574, 702, 709,	. 13070, 13072, 13075
\bx@XX 4866, 4886	965, 972, 1215,	\c@ll@chapseci 7184
\bx@Y 4800, 4833, 4874	1222, 2558, 6482,	\c@ll@chapsecii . . . 7179
\bx@y 4826, 4839, 4880	6489, 6670, 6677,	\c@lofdepth . 19185, 19222
\bx@YY 4867, 4886	6979, 6986, 8503,	\c@lor@error
\bx@Z 4801, 4833, 4874	8510, 8774, 8781,	7148, 7155, 7163,
\bx@z 4827, 4839, 4880	10611, 10618,	7169, 20482, 20516
\bx@ZZ 4868, 4886	15834, 15841,	\c@lotdepth . 19203, 19242
\bye 1934	16228, 16235,	\c@lstlisting 13234, 13236
\bystep 3726,	16422, 16429,	\c@LT@chunks 13575
3738, 3822, 3835,	16625, 16632,	\c@mpfootnote
3845, 3858, 3871, 3872	17026, 17035,	. . 11276, 11290,
	17042, 17606,	11304, 11329, 13739
	17615, 17622,	\c@NAT@ctr 15068
	18289, 18298,	\c@page 5936,
	18305, 18954, 18961	8249, 8266, 10892,
	\c@equation 6512,	10919, 20397, 21171
	6689, 6934, 8342,	\c@paragraph
	8411, 8728, 10718,	. . 541, 695, 949,
	11010, 11023,	1208, 6509, 6686,
	14379, 15853,	6943, 8614, 8737,
	16222, 16407,	10715, 11019,
	16589, 17584, 18267	11032, 14374,
\c@chapter 6512, 6514,	\c@figure . 6514, 6691,	15850, 16215,
6516, 6689, 6691,	6936, 8730, 10720,	16415, 16598,
6693, 6934, 6936,	11012, 11025,	17002, 17558, 18253
6938, 6939, 8728,	14380, 15855,	\c@poem@no 6205,
8730, 8732, 8733,	16218, 16409,	6255, 6306, 6317
10718, 10720,	16591, 17568, 18259	\c@secnumdepth
10722, 11010,	\c@footnote 128,	. . . . . 304, 544,
11012, 11014,	318, 446, 738,	553, 6753, 6948,
11015, 11023,	797, 990, 1049,	



8472, 8481, 8742, 10581, 15615, 16603	6593, 6609, 6625, 6896, 6911, 8445, 8459, 8714, 10549, 10564, 12892, 14724, 14736, 14748, 15763, 15779, 15795, 16135, 16151, 16167, 16367, 16381, 16551, 16566, 19030, 19034, 19076, 19095, 19117, 19134, 19151, 19168, 19460, 19568, 19603, 19991, 20187, 20869	\cals@paddingL . 7080, 7082, 7087, 7089 \cals@paddingR 7084, 7091 \cals@set@tohsz . 7067 \cals@setcellprevdepth 7067 \cals@setpadding .. 7067 \cals@setup@alignment 7051, 7066 \cals@table@alignment 7056, 7057 \cals@tbreak@tokens 7061 \cals@tfoot@height 7062 \cals@tfoot@tokens 7060, 7077 \cals@thead@tokens 7059 \cals@vfillAdd . 7052, 7054, 7080, 7089 \cals@vfillDrop 7053, 7054, 7082, 7084, 7087, 7091 \CAny 2066 \cAny 2074 \cap@indent 17123, 17126, 17131, 17133, 17134, 17703, 17706, 17711, 17713, 17714, 18386, 18389, 18394, 18396, 18397 \cap@left 17145, 17156, 17725, 17736, 18408, 18419 \cap@margin 17088, 17668, 18351 \cap@right ... 17147, 17156, 17727, 17736, 18410, 18419 \cap@width 17111, 17114, 17117, 17691, 17694, 17697, 18374, 18377, 18380 \capfont 17098, 17119, 17124, 17129, 17133, 17152, 17156, 17678, 17699, 17704, 17709, 17713,
\c@section 6506, 6683, 6940, 8734, 10712, 11016, 11029, 14368, 15119, 15847, 16212, 16412, 16595, 17552, 18247	\c@tracingmulticols 14932, 14950 \c@twb 7309 \c@twcompctr 7290 \c@twcompodctr ... 7306 \c@twfirst 7291, 7297, 7304, 7308, 7317, 7320 \c@twlftside 7295 \c@twlspec 7309, 7312, 7316 \c@twprune 7295, 7296, 7312, 7316 \c@twrounds 7307, 7310, 7313, 7325 \c@twrtside 7296 \c@twslicea 7293, 7295, 7299, 7302, 7311, 7312, 7319, 7323 \c@twsliceb 7294, 7296, 7299, 7302, 7315, 7316, 7319, 7323 \c@twwinlines . 7292, 7305 \c@zabspace 11073 \cals@activate@rtl 7058 \cals@AtBeginTable 7075 \cals@AtEndTable .. 7077 \cals@backup@row .. 7074 \cals@borderB 7073 \cals@borderL 7070 \cals@borderR 7071 \cals@borderT 7072 \cals@current@context 7064 \cals@last@context 7063	
\c@subparagraph 542, 696, 950, 1209, 6510, 6687, 6944, 8615, 8738, 10716, 11020, 11033, 14376, 15851, 16216, 16416, 16599, 17004, 17560, 18255	\c@subsection 539, 693, 947, 1206, 6507, 6684, 6941, 8612, 8735, 10713, 11017, 11030, 14370, 15848, 16213, 16413, 16596, 16998, 17554, 18249	
\c@subsubsection 540, 694, 948, 1207, 6508, 6685, 6942, 8613, 8736, 10714, 11018, 11031, 14372, 15849, 16214, 16414, 16597, 17000, 17556, 18251	\c@subsubsection 540, 694, 948, 1207, 6508, 6685, 6942, 8613, 8736, 10714, 11018, 11031, 14372, 15849, 16214, 16414, 16597, 17000, 17556, 18251	
\c@table .. 6516, 6693, 6938, 8732, 10722, 11014, 11027, 14381, 15857, 16220, 16411, 16593, 17576, 18263	\c@table .. 6516, 6693, 6938, 8732, 10722, 11014, 11027, 14381, 15857, 16220, 16411, 16593, 17576, 18263	
\c@thisframe 10891, 10896, 10932, 10934, 10935	\c@thisframe 10891, 10896, 10932, 10934, 10935	
\c@tocdepth ... 3, 198, 501, 518, 637, 653, 671, 864, 897, 915, 1120, 1136, 1154, 6416, 6432, 6448,	\c@tocdepth ... 3, 198, 501, 518, 637, 653, 671, 864, 897, 915, 1120, 1136, 1154, 6416, 6432, 6448,	



17732, 17736,	17130, 17135,	\cftchapfillnum .. 19091
18361, 18382,	17153, 17679,	\cftchapfont 19090
18387, 18392,	17700, 17705,	\cftchapindent
18396, 18415, 18419	17710, 17715,	. 19079, 19082, 19329
\caplabelfont . 17099,	17733, 18362,	\cftchapnumwidth ..
17120, 17125,	18383, 18388,	..... 19085, 19330
17130, 17135,	18393, 18398, 18416	\cftchappresnum .. 19086
17153, 17679,	\captionlabelfalse 13225	\cftchapterprecistoc
17700, 17705,	\catcode 1817,	..... 19328
17710, 17715,	1935, 3128, 3455,	\cftdot 19026
17733, 18362,	3456, 3457, 3497,	\cftdotfill 19320
18383, 18388,	5150, 5172, 6103,	\cftdotsep 19319
18393, 18398, 18416	6104, 6106, 6107,	\cftfigaftersnum . 19195
\caption 4611,	11410, 11411, 11526	\cftfigaftersnumb 19196
4612, 4614, 4670,	\Centering 15625	\cftfigfillnum ... 19199
12036, 12054,	\centering 303,	\cftfigfont 19198
13552, 14455, 14457	7824, 7837, 7953,	\cftfigindent 19187, 19190
\caption@@make ... 13613	10759, 10765,	\cftfignumwidth .. 19193
\caption@@par 7095	12066, 12151,	\cftfigpresnum ... 19194
\caption@begin ... 13609	12167, 14402,	\cftparaaftersnum 19161
\caption@end 13615	14404, 14406,	\cftparaaftersnumb 19162
\caption@hangindent 7096	16888, 17437, 18136	\cftparafillnum .. 19165
\caption@iftop	\CenteringLeftskip 15630	\cftparafont 19164
..... 13612, 13614	\CenteringParfillskip	\cftparaindent
\caption@LT@make . 13598	..... 15633	..... 19153, 19156
\caption@LT@setup 13605	\CenteringParindent	\cftparanumwidth . 19159
\caption@makecaption	..... 15634	\cftparapresnum .. 19160
..... 7093, 13219	\CenteringRightskip	\cftpartaftersnum 19056
\caption@normalsize	..... 15631	\cftpartaftersnumb 19057
..... 13610	\centerline 307, 11506,	\cftpartfillnum .. 19060
\caption@parindent 7096	11523, 15564, 20793	\cftpartfont 19059
\caption@prepare@stepcount	\cftbeforechapskip 19078	\cftpartindent
..... 13608	\cftbeforefigskip 19186	..... 19048, 19051
\caption@setautoposition	\cftbeforeparaskip 19152	\cftpartnumwidth . 19054
..... 13606	\cftbeforepartskip 19046	\cftpartpresnum ...
\caption@setoptions	\cftbeforesecskip .	..... 19055, 19059
..... 13603, 13604	..... 19097, 19100	\cftsecaftersnum . 19110
\caption@settype . 13599	\cftbeforesubfigskip	\cftsecaftersnumb 19111
\caption@starfalse	..... 19223	\cftsecfillnum ... 19114
..... 13220, 13607	\cftbeforesubparaskip	\cftsecfont 19113
\caption@startrue .	..... 19169	\cftsecindent 19102, 19105
. 13221, 13227, 13607	\cftbeforesubsecskip	\cftsecnumwidth .. 19108
\captionabove . 17204,	..... 19118	\cftsecpresnum ... 19109
17209, 17784,	\cftbeforesubsubskip	\cftsubfigaftersnum
17789, 18467, 18472	..... 19135	..... 19232
\captionbelow . 17206,	\cftbeforesubtabskip	\cftsubfigaftersnumb
17211, 17786,	..... 19243	..... 19233
17791, 18469, 18474	\cftbeforetabskip 19204	\cftsubfigfillnum 19236
\captionformat 17099,	\cftchapaftersnum 19087	\cftsubfigfont ... 19235
17120, 17125,	\cftchapaftersnumb 19088	



\cftsubfigindent ..	\cfttabfillnum ... 19217	\ClassWarningNoLine
..... 19224, 19227	\cfttabfont 19216	..... 14439
\cftsubfignumwidth 19230	\cfttabindent 19205, 19208	\clear 4284
\cftsubfigpresnum 19231	\cfttabnumwidth .. 19211	\cleardoubleemptypage
\cftsubparaaftersnum	\cfttabpresnum ... 19212	..... 16845,
..... 19178	\chapnumfont 15614	16890, 17394,
\cftsubparaaftersnumb	\chapter 5525,	17439, 18093, 18138
..... 19179	5553, 5623, 5631,	\cleardoublepage 5889,
\cftsubparafillnum 19182	5747, 5753, 6478,	5934, 5936, 5993,
\cftsubparafont .. 19181	6666, 6975, 8770,	6006, 6020, 6969, 8764
\cftsubparaindent .	10607, 15830,	\clearpage . 597, 613,
..... 19170, 19173	16224, 16418, 16621	862, 1114, 3333,
\cftsubparanumwidth	\chapterheadendvskip	3334, 3338, 3339,
..... 19176	..... 15620	4243, 4244, 4247,
\cftsubparapresnum 19177	\chapterheadstartvskip	4889, 5901, 5936,
\cftsubsecaftersnum	..... 15612	6022, 6410, 6587,
..... 19127	\chaptermark . 6010, 18989	6797, 6971, 8766,
\cftsubsecaftersnumb	\chaptername .. 308, 14388	15739, 15994,
..... 19128	\chapterstyle 14383	16453, 16953,
\cftsubsecfillnum 19131	\char 1778, 2049, 2050, 3443	17502, 18201, 19023
\cftsubsecfont ... 19130	\chardef 3442,	\clippingbox@ .. 15600
\cftsubsecindent ..	11410, 13138,	\CloneTOCEntryStyle
..... 19119, 19122	13139, 13145, 13146	..... 17221,
\cftsubsecnumwidth 19125	\check@floats . 7542, 7717	17234, 17253,
\cftsubsecpresnum 19126	\CheckCommand	17259, 17801,
\cftsubsubsecaftersnum	. 3879, 12440, 12478	17814, 17833,
..... 19144	\checkoddpaper 4505	17839, 18484,
\cftsubsubsecaftersnumb	\CIIIIAny 2067	18497, 18516, 18522
..... 19145	\ciiiiAny 2075	\closing 8804, 18012
\cftsubsubsecfillnum	\circle 7198, 7201, 7208,	\clubpenalty 92,
..... 19148	7211, 7221, 7224,	295, 576, 577, 710,
\cftsubsubsecfont 19147	7231, 7234, 7244,	973, 1223, 2559,
\cftsubsubsecindent	7247, 7254, 7257,	6221, 6490, 6678,
..... 19136, 19139	7267, 7270, 7277, 7280	6988, 6989, 8511,
\cftsubsubsecnumwidth	\cite 5187,	8783, 8784, 10619,
..... 19142	5279, 5285, 5286,	12857, 15074,
\cftsubsubsecpresnum	5380, 5385, 5406,	15842, 16236,
..... 19143	5414, 5435, 5443,	16431, 16432,
\cftsubtabaftersnum	5464, 5482, 5486,	16634, 16635,
..... 19252	5491, 5495, 5500,	17044, 17624,
\cftsubtabaftersnumb	5504, 15077, 15078	18307, 18963, 18964
..... 19253	\citeasnoun 15078	\coffee font 14744
\cftsubtabfillnum 19256	\citeN 15077	\col@number 132,
\cftsubtabfont ... 19255	\cites 5280	137, 139, 142,
\cftsubtabindent ..	\cl@ckpt 18733	143, 150, 452,
..... 19244, 19247	\ClassInfo 5967, 6032,	803, 1055, 1305,
\cftsubtabnumwidth 19250	17215, 17795, 18478	6847, 8568, 8665,
\cftsubtabpresnum 19251	\ClassWarning	10668, 14346,
\cfttabaftersnum . 19213	. 16898, 17447, 18146	14686, 14768,
\cfttabaftersnumb 19214		14773, 14809,



14850, 14851,	11225, 11242,	\color@fbox .. 7175, 20538
14853, 14856,	11258, 11285,	\color@hbox
14857, 14864,	11299, 11313,	.. 16734, 16744,
14911, 14912,	11325, 11746,	16762, 21275, 21291
14915, 14916,	11756, 11763,	\color@setgroup ...
14978, 14982,	13676, 21033,	..... 7177, 20542
15935, 16076,	21049, 21060, 21068	\color@vbox
16320, 16502,	\color@block . 7141, 20445	2294, 5000, 5044,
16909, 17458, 18157	\color@box .. 7174, 20537	5088, 21104, 21148
\col@sep 372, 400, 7099,	\color@endbox .. 2316,	\colorA .. 6755, 6764, 6776
7100, 13564, 20638	5009, 5053, 5097,	\colorB
\color 2006, 2007, 2008,	16737, 16747,	6767, 6773, 6779
2009, 2010, 2482,	16765, 21113,	\colorblend ... 20454,
7144, 7147, 7150,	21157, 21278, 21294	20455, 20497, 20498
7168, 7171, 7818,	\color@endgroup ...	\colorbox 2122, 2124, 2125
7821, 7831, 7949,	.... 5339, 5357,	\columncolor .. 1459, 7107
12996, 13702, 20447	5375, 6382, 8901,	\columnsep 99, 219, 590,
\color@ 20487, 20534	8915, 8929, 8941,	606, 855, 1107,
\color@b@x	8952, 8963, 9070,	1955, 2391, 6403,
7136, 7174, 7176,	9128, 9192, 9202,	6580, 6790, 7363,
20440, 20537, 20540	9212, 9238, 9251,	7488, 7663, 10798,
\color@begingroup .	9263, 9301, 9310,	11655, 12865,
..... 5335,	9319, 9344, 9356,	14566, 14683,
5353, 5371, 6380,	9367, 9404, 9414,	14776, 14825,
6394, 8899, 8913,	9424, 9450, 9463,	15732, 15987,
8927, 8939, 8950,	9475, 9513, 9523,	16446, 20402,
8961, 9067, 9190,	9533, 9559, 9572,	20407, 20411,
9200, 9210, 9236,	9584, 9622, 9632,	20417, 20420, 20964
9249, 9261, 9299,	9642, 9668, 9681,	\columnseprule
9308, 9317, 9342,	9693, 9731, 9741,	... 99, 219, 589,
9354, 9365, 9402,	9751, 9777, 9790,	605, 854, 1106,
9412, 9422, 9448,	9802, 9840, 9850,	1956, 2392, 6402,
9461, 9473, 9511,	9860, 9886, 9899,	6579, 6789, 7354,
9521, 9531, 9557,	9911, 9949, 9959,	7419, 7482, 7494,
9570, 9582, 9620,	9969, 9995, 10008,	7659, 7668, 10790,
9630, 9640, 9666,	10020, 10058,	10831, 11599,
9679, 9691, 9729,	10068, 10078,	11646, 12865,
9739, 9749, 9775,	10104, 10117,	14556, 14658,
9788, 9800, 9838,	10129, 10325,	14801, 14815,
9848, 9858, 9884,	10337, 10349,	15731, 15986,
9897, 9909, 9947,	10386, 10400,	16445, 20955, 21004
9957, 9967, 9993,	10414, 10499,	\columnseprulecolor
10006, 10018,	10512, 11228,	..... 14800, 14814
10056, 10066,	11245, 11261,	\columnwidth 28,
10076, 10102,	11288, 11302,	41, 55, 71, 232,
10115, 10127,	11316, 11346,	244, 258, 273,
10323, 10335,	11749, 11759,	533, 537, 724, 958,
10347, 10384,	11766, 21037,	1204, 1606, 1612,
10398, 10412,	21052, 21064, 21071	2306, 6504, 6657,
10495, 10508,	\color@fb@x . 20538, 20539	6927, 6931, 7039,



7352, 7356, 7360,	17654, 17659,	14540, 14579,
7364, 7415, 7421,	17934, 17938,	14611, 14612,
7481, 7483, 7486,	18074, 18337,	14639, 14640, 14676
7489, 7491, 7496,	18342, 20953,	\count 1601, 1882,
7658, 7660, 7662,	20957, 20961,	2289, 3753, 4985,
7664, 7666, 7670,	20965, 21000,	5029, 5073, 9141,
7967, 7988, 8518,	21006, 21196, 21198	9173, 9282, 9385,
8522, 8817, 8821,	\contentslabel . 5584,	9494, 9603, 9712,
8866, 8896, 8910,	5591, 5598, 5605, 5612	9821, 9930, 10039,
8924, 8936, 8947,	\contentsline 12271	10198, 10204,
8958, 9233, 9245,	\contentsmargin . . 18928	10256, 10262,
9258, 9339, 9350,	\contentspush 18902	10902, 11561,
9362, 9445, 9457,	\convertcolorspec .	11570, 11572,
9470, 9554, 9566,	. . . . . 20461,	11619, 11621,
9579, 9663, 9675,	20464, 20504, 20507	11948, 11954,
9688, 9772, 9784,	\Coord 2063	14911, 14915,
9797, 9881, 9893,	\coord 2068	21089, 21133, 21241
9906, 9990, 10002,	\CoordIII 2065	\count@ . . . 1399, 1458,
10015, 10099,	\coordi 2070	2729, 2734, 4331,
10111, 10124,	\Coordn 2064	4332, 4334, 7105,
10238, 10300,	\coordn 2069	14763, 14764,
10380, 10394,	\Coordx 2060,	14766, 14768,
10408, 10600,	2063, 2064, 2065,	14775, 14796,
10604, 10789,	2066, 2067, 2068,	14797, 14799,
10791, 10795,	2069, 2070, 2074, 2075	14819, 14820,
10799, 10827,	\coordx 2071	14823, 15175,
10833, 11131,	\Coordy 2061,	15183, 15196, 18772
11134, 11136,	2063, 2064, 2065,	\counterwithout 14384,
11221, 11238,	2066, 2067, 2068,	14385, 14386, 14387
11254, 11281,	2069, 2070, 2074, 2075	\cr 388, 6168,
11295, 11309,	\coordy 2072	6175, 6231, 9155,
11327, 11541,	\Coordz 2062,	9159, 9161, 13579,
11548, 11595,	2065, 2067, 2070, 2075	18678, 18716, 20841
11601, 11644,	\coordz 2073	\crrcr . 399, 2188, 6171,
11648, 11652,	\copy 4996,	18666, 18696,
11656, 12008,	5040, 5084, 7043,	20649, 20652, 20828
12009, 12879,	7332, 7395, 7463,	\CROP@llc 7240
12953, 12957,	7469, 7629, 7641,	\CROP@lrc 7263
13679, 14554,	7978, 7999, 10772,	\CROP@ulc 7194
14558, 14562,	10808, 11569,	\CROP@urc 7217
14565, 14654,	11618, 11819,	\CROP@execopt 7287
14660, 14683,	11865, 13643,	\cs 13813, 13864,
14712, 14718,	13655, 13659,	13882, 13936,
14880, 14884,	14488, 14588,	13951, 14239,
14888, 14892,	15469, 15552,	14241, 15203, 15204
15827, 16250,	15622, 20624,	\cs@a 3528
16400, 16404,	20933, 20980,	\csname 8, 44, 58, 74, 166,
16582, 16586,	21100, 21144, 21207	168, 203, 247, 261,
16826, 17074,	\cor@height . . . 14511,	276, 333, 334, 376,
17079, 17375,	14512, 14539,	1362, 2151, 2152,



2166, 2167, 2193,	6342, 6367, 6368,	14468,	14469,
2196, 2199, 2215,	7150, 7156, 7164,	14476,	16778,
2223, 2231, 2286,	7171, 7743, 8898,	16782,	16786,
2573, 2576, 2579,	8912, 8926, 8938,	17224,	17226,
2581, 2583, 2586,	8949, 8960, 9189,	17228,	17231,
2589, 2597, 2598,	9199, 9209, 9235,	17237,	17246,
2603, 2610, 2612,	9248, 9260, 9298,	17248,	17250,
2614, 2615, 2616,	9307, 9316, 9341,	17256,	17327,
2617, 2620, 2622,	9353, 9364, 9401,	17331,	17335,
2626, 2628, 2657,	9411, 9421, 9447,	17804,	17806,
2658, 2681, 2682,	9460, 9472, 9510,	17808,	17811,
2709, 2736, 2740,	9520, 9530, 9556,	17817,	17825,
2751, 2759, 2767,	9569, 9581, 9619,	17827,	17830,
2775, 2777, 2779,	9629, 9639, 9665,	17836,	18026,
2783, 2784, 2848,	9678, 9690, 9728,	18030,	18034,
2890, 2900, 2906,	9738, 9748, 9774,	18487,	18489,
2907, 2909, 2910,	9787, 9799, 9837,	18491,	18494,
2912, 2913, 2915,	9847, 9857, 9883,	18500,	18508,
2958, 2959, 2982,	9896, 9908, 9946,	18510,	18513,
3037, 3038, 3039,	9956, 9966, 9992,	18519,	18668,
3040, 3046, 3047,	10005, 10017,	18694,	18696,
3048, 3049, 3132,	10055, 10065,	18728,	18750,
3133, 3136, 3137,	10075, 10101,	18752,	18768,
3363, 3365, 3377,	10114, 10126,	18769,	18789,
3379, 3411, 3412,	10321, 10333,	18796,	19006,
3413, 3414, 3437,	10345, 10382,	19269,	19270,
3461, 3466, 3470,	10396, 10410,	19286,	19287,
3486, 3504, 3506,	10727, 10880,	19288,	19295,
3514, 3516, 3525,	10881, 10886,	19297,	19298,
3526, 3606, 3610,	10887, 10992,	19351,	19352,
3641, 3649, 3650,	10993, 10994,	19506,	19507,
3663, 3671, 3673,	10995, 10997,	19617,	19621,
3700, 3721, 3758,	10999, 11000,	19625,	19724,
3759, 3760, 3776,	11001, 11002,	19727,	19741,
3777, 3778, 3779,	11004, 11005,	19757,	19758,
3885, 3888, 3892,	11006, 11063,	19774,	19781,
3909, 3912, 3914,	11087, 11105,	19786,	19847,
3924, 3927, 3929,	11191, 11200,	19902,	19904,
3936, 3941, 3946,	11223, 11240,	19906,	19922,
3956, 3972, 3975,	11256, 11284,	19925,	19931,
3989, 4001, 4033,	11298, 11312,	19933,	19936,
4044, 4128, 4131,	11359, 11374,	19940,	19945,
4171, 4220, 4360,	12273, 12276,	19949,	19953,
4381, 4732, 4733,	12278, 12282,	19967,	19971,
4740, 4741, 5333,	12286, 12300,	19974,	19977,
5351, 5369, 5400,	12311, 12322,	19981,	19983,
5429, 5458, 5700,	12522, 12553,	20019,	20021,
6226, 6261, 6264,	12584, 12897,	20028,	20029,
6267, 6281, 6288,	13000, 13003,	20033,	20038,
6295, 6303, 6304,	13432, 13498,	20042,	20053,



20054, 20058,	\d@llarbegin . . . . .	. . . . . 17261,
20064, 20119,	. . 372, 401, 1403,	17269, 17279,
20120, 20124,	1404, 1405, 1468,	17289, 17299,
20220, 20221,	1471, 1472, 7112,	17309, 17841,
20223, 20226,	7115, 7116, 20638	17850, 17858,
20227, 20231,	\d@llarend	17868, 17878,
20679, 20744,	. . 373, 401, 1403,	17888, 17898,
20830, 20891,	1404, 1405, 1470,	18524, 18533,
20904, 20906, 21375	1471, 1472, 7114,	18541, 18551,
\CT@do@color 7102	7115, 7116, 20639	18561, 18571, 18581
\CT@cell@color 1483, 7127	\dashgapcolor 1463	\DeclareTOCEntryStyle
\CT@color 7101	\date 440, 476, 780, 825,	. 19336, 19493, 19695
\CT@column@color . .	1032, 1077, 1282,	\dedication
. 1481, 7125	1327, 1990, 5814,	. 16948, 17497, 18196
\CT@do@color	5862, 6569, 6746,	\dedicatory 323
. . . 1484, 7102, 7128	6835, 6871, 8556,	\def . . . 2, 23, 26, 30, 34,
\CT@extract . . . 1459, 7107	8590, 8653, 8689,	48, 64, 95, 98, 107,
\CT@row@color . 1482, 7126	10656, 10690,	108, 109, 110, 122,
\CT@setup 1448,	15912, 15957,	132, 133, 135, 197,
1449, 1451, 1452,	16053, 16100,	218, 227, 228, 229,
1456, 1480, 7098, 7124	16303, 16344,	230, 234, 237, 251,
\cumpartcl 15373	16490, 16526,	266, 298, 301, 313,
\cumtcl 15373	16949, 17498, 18197	319, 336, 338, 343,
\curraddr 322	\datetime 18002	345, 370, 375, 377,
\current@color	\deadcycles . . . 3348, 3351	398, 399, 400, 401,
. . . . 7143, 7149,	\debugfootnotedirection	447, 448, 479, 543,
7156, 7164, 7170,	. . . . . 11050	580, 712, 735, 736,
11388, 11393,	\DeclareOption	744, 783, 784, 786,
20446, 20483,	2321, 2324, 2327,	791, 793, 798, 800,
20484, 20488,	2330, 2333, 2336,	828, 975, 987, 988,
20517, 20518, 20535	2339, 2344, 2345,	996, 1035, 1036,
\CurrentOption	2346, 2347, 2348,	1038, 1043, 1045,
. . . . 5948, 5949,	2350, 4410, 4412,	1050, 1051, 1080,
5950, 5951, 5952,	4414, 4417, 4422,	1225, 1237, 1238,
5972, 5973, 5974,	5519, 5520, 5778,	1246, 1285, 1286,
5975, 5976, 7764, 7862	5779, 5804, 5805,	1288, 1293, 1295,
\customername 17972	5948, 5949, 5950,	1300, 1302, 1330,
\CustomFBox 11390	5951, 5952, 5972,	1350, 1360, 1361,
\cvcomputer 2514	5973, 5974, 5975,	1364, 1370, 1398,
\cvdoubleitem . 2491, 2515	5976, 7754, 7756,	1411, 1412, 1415,
\cventry 2503	7758, 7760, 7762,	1428, 1436, 1444,
\cvlanguage 2512	7763, 7852, 7854,	1445, 1448, 1449,
\cvline 2486, 2487, 2492,	7856, 7858, 7860, 7861	1452, 1457, 1495,
2496, 2498, 2504, 2513	\DeclareRobustCommand	1496, 1593, 1595,
\cvlistdoubleitem . 2497	. . . . . 2048,	1596, 1639, 1642,
\cvlistitem 2495	2049, 2050, 2051,	1645, 1648, 1717,
\cvtheme 2429, 2432	2052, 2053, 2054,	1721, 1816, 1818,
	4745, 4752, 7144,	1848, 1865, 1873,
	7159, 20447, 20490	1874, 1875, 1876,
D	\DeclareSectionCommand	1877, 1883, 1884,
\d 13783		



1891, 1907, 1908,
1909, 1912, 1915,
1919, 1930, 1931,
1934, 1943, 1948,
1973, 1974, 2056,
2057, 2058, 2060,
2061, 2062, 2063,
2064, 2065, 2066,
2067, 2068, 2069,
2070, 2071, 2072,
2073, 2074, 2075,
2080, 2091, 2122,
2123, 2124, 2125,
2132, 2138, 2144,
2152, 2157, 2159,
2167, 2172, 2173,
2188, 2192, 2195,
2198, 2203, 2206,
2209, 2213, 2221,
2229, 2236, 2238,
2239, 2241, 2310,
2404, 2405, 2406,
2407, 2408, 2409,
2411, 2412, 2430,
2431, 2434, 2435,
2436, 2437, 2438,
2439, 2440, 2441,
2442, 2443, 2444,
2445, 2446, 2562,
2631, 2651, 2652,
2655, 2661, 2664,
2675, 2676, 2679,
2685, 2688, 2699,
2701, 2704, 2708,
2714, 2722, 2723,
2724, 2725, 2726,
2727, 2728, 2735,
2736, 2740, 2745,
2753, 2761, 2769,
2776, 2778, 2878,
2886, 2907, 2915,
2916, 2917, 2923,
2925, 2926, 2927,
2937, 2939, 2941,
2947, 2951, 2954,
2963, 2974, 2976,
2977, 2988, 3061,
3080, 3112, 3113,
3114, 3125, 3139,
3142, 3143, 3155,

3167, 3171, 3174,
3187, 3196, 3224,
3252, 3255, 3256,
3264, 3265, 3299,
3312, 3339, 3354,
3411, 3412, 3413,
3414, 3423, 3443,
3452, 3459, 3466,
3470, 3475, 3480,
3485, 3487, 3490,
3493, 3501, 3502,
3504, 3506, 3507,
3514, 3516, 3517,
3524, 3525, 3526,
3527, 3528, 3532,
3533, 3535, 3536,
3538, 3544, 3550,
3568, 3569, 3574,
3579, 3584, 3590,
3595, 3606, 3610,
3616, 3619, 3633,
3635, 3637, 3639,
3640, 3642, 3644,
3649, 3650, 3651,
3652, 3657, 3658,
3665, 3667, 3670,
3675, 3677, 3683,
3684, 3685, 3686,
3690, 3693, 3695,
3696, 3700, 3702,
3703, 3706, 3716,
3758, 3759, 3760,
3763, 3773, 3780,
3782, 3787, 3799,
3806, 3808, 3812,
3813, 3820, 3822,
3825, 3830, 3837,
3839, 3910, 3913,
3922, 3925, 4077,
4088, 4127, 4240,
4250, 4263, 4317,
4327, 4329, 4334,
4339, 4345, 4346,
4349, 4356, 4364,
4379, 4452, 4543,
4564, 4568, 4581,
4661, 4730, 4748,
4754, 4791, 4916,
4918, 4919, 4920,
4929, 4931, 4932,

4933, 4937, 4939,
4945, 4946, 4973,
4987, 4990, 4994,
4998, 5011, 5017,
5031, 5034, 5038,
5042, 5055, 5061,
5075, 5078, 5082,
5086, 5099, 5151,
5166, 5171, 5297,
5299, 5327, 5345,
5363, 5384, 5413,
5442, 5662, 5699,
5707, 5936, 6074,
6075, 6077, 6095,
6096, 6099, 6109,
6110, 6111, 6112,
6118, 6121, 6132,
6133, 6134, 6144,
6170, 6174, 6181,
6203, 6222, 6223,
6224, 6230, 6260,
6263, 6266, 6270,
6273, 6276, 6279,
6286, 6293, 6303,
6304, 6305, 6315,
6319, 6322, 6327,
6328, 6329, 6331,
6340, 6346, 6367,
6368, 6492, 6524,
6525, 6533, 6680,
6701, 6702, 6710,
6750, 6770, 6842,
6843, 6874, 6945,
6959, 6992, 6996,
7008, 7021, 7028,
7032, 7035, 7098,
7101, 7104, 7136,
7143, 7146, 7153,
7161, 7167, 7174,
7175, 7177, 7291,
7304, 7307, 7308,
7313, 7320, 7325,
7329, 7392, 7452,
7961, 7965, 7968,
7986, 7989, 8007,
8064, 8241, 8283,
8310, 8312, 8317,
8348, 8349, 8422,
8471, 8490, 8513,
8563, 8564, 8593,



8660, 8661, 8692,	11143,	11144,	12645,	12653,
8739, 8754, 8787,	11146,	11150,	12660,	12668,
8865, 8892, 8906,	11159,	11161,	12671,	12674,
8920, 8934, 8945,	11168,	11169,	12708,	12740,
8956, 8985, 8986,	11186,	11189,	12769,	12796,
8987, 8995, 8996,	11195,	11198,	12799,	12801,
8997, 9114, 9185,	11206,	11207,	12804,	12813,
9195, 9205, 9231,	11208,	11214,	12814,	12818,
9243, 9256, 9267,	11231,	11247,	12820,	12821,
9272, 9294, 9303,	11275,	11289,	12822,	12824,
9312, 9337, 9348,	11303,	11317,	12833,	12835,
9360, 9370, 9375,	11323,	11329,	12860,	12864,
9397, 9407, 9417,	11336,	11349,	12873,	12874,
9443, 9455, 9468,	11353,	11357,	12875,	12877,
9479, 9484, 9506,	11363,	11368,	12881,	12883,
9516, 9526, 9552,	11372,	11384,	12888,	12891,
9564, 9577, 9588,	11398,	11400,	12912,	12924,
9593, 9615, 9625,	11402,	11404,	12960,	12961,
9635, 9661, 9673,	11412,	11517,	12979,	12996,
9686, 9697, 9702,	11527,	11558,	12998,	12999,
9724, 9734, 9744,	11566,	11615,	13006,	13011,
9770, 9782, 9795,	11668,	11704,	13021,	13070,
9806, 9811, 9833,	11792,	11800,	13072,	13171,
9843, 9853, 9879,	11806,	11815,	13187,	13188,
9891, 9904, 9915,	11817,	11833,	13220,	13221,
9920, 9942, 9952,	11844,	11845,	13225,	13227,
9962, 9988, 10000,	11847,	11860,	13533,	13545,
10013, 10024,	11861,	11863,	13549,	13550,
10029, 10051,	11879,	11881,	13551,	13558,
10061, 10071,	11884,	11886,	13586,	13617,
10097, 10109,	11887,	11902,	13625,	13628,
10122, 10133,	11909,	11969,	13633,	13663,
10138, 10188,	11970,	11971,	13671,	13737,
10220, 10282,	11972,	11981,	13738,	14342,
10317, 10329,	11983,	12019,	14344,	14394,
10341, 10372,	12271,	12298,	14396,	14444,
10391, 10405,	12309,	12320,	14455,	14466,
10423, 10433,	12331,	12341,	14485,	14585,
10442, 10451,	12352,	12363,	14682,	14690,
10543, 10578,	12374,	12389,	14723,	14735,
10590, 10621,	12404,	12421,	14747,	14761,
10663, 10664,	12447,	12464,	14794,	14808,
10693, 10724,	12472,	12485,	14846,	14850,
10756, 10762,	12502,	12510,	14878,	14882,
10769, 10805,	12518,	12535,	14886,	14890,
10879, 10890,	12543,	12549,	14894,	14896,
10938, 11042,	12566,	12574,	14902,	14906,
11129, 11133,	12580,	12597,	14910,	14914,
11135, 11137,	12605,	12613,	14918,	14920,
11139, 11141,	12627,	12631,	15082,	15096,



15098,	15105,	16811,	16995,	20606,	20609,
15111,	15191,	16996,	17048,	20611,	20612,
15238,	15242,	17055,	17204,	20613,	20614,
15246,	15248,	17206,	17338,	20616,	20618,
15264,	15276,	17340,	17360,	20620,	20621,
15290,	15340,	17544,	17628,	20634,	20636,
15347,	15466,	17635,	17784,	20641,	20643,
15467,	15469,	17786,	17912,	20649,	20651,
15470,	15476,	17929,	17933,	20658,	20660,
15477,	15478,	17936,	17940,	20663,	20665,
15488,	15498,	18012,	18037,	20666,	20667,
15506,	15514,	18039,	18059,	20668,	20670,
15515,	15516,	18243,	18311,	20680,	20717,
15517,	15518,	18318,	18467,	20783,	20793,
15519,	15524,	18469,	18601,	20796,	20799,
15525,	15528,	18605,	18622,	20804,	20805,
15530,	15531,	18643,	18646,	20806,	20807,
15532,	15533,	18661,	18666,	20808,	20810,
15535,	15536,	18669,	18692,	20813,	20823,
15549,	15555,	18696,	18700,	20828,	20831,
15562,	15563,	18710,	18726,	20851,	20854,
15564,	15565,	18732,	18740,	20864,	20865,
15566,	15568,	18761,	18770,	20866,	20867,
15569,	15675,	18771,	18787,	20868,	20888,
15696,	15702,	18791,	18794,	20890,	20923,
15722,	15723,	18798,	18801,	20930,	20977,
15844,	15867,	18831,	18873,	21077,	21091,
15868,	15876,	18907,	18929,	21094,	21098,
15915,	15916,	18935,	18938,	21102,	21115,
15918,	15923,	18940,	18943,	21121,	21135,
15925,	15930,	18967,	19620,	21138,	21142,
15932,	15960,	19644,	20186,	21146,	21159,
16006,	16007,	20207,	20209,	21165,	21205,
16015,	16056,	20365,	20408,	21209,	21210,
16057,	16059,	20411,	20417,	21211,	21212,
16064,	16066,	20421,	20440,	21222,	21308,
16071,	16073,	20446,	20449,	21320,	21321,
16103,	16125,	20471,	20480,	21323,	21442,
16238,	16267,	20486,	20492,	21444,	21448,
16269,	16310,	20514,	20520,	21450,	21477, 21479
16312,	16347,	20529,	20533,	\default@color 7143, 20446	
16435,	16497,	20537,	20538,	\DefaultFindent .. 12968	
16498,	16529,	20539,	20542,	\DefaultLhang 12964	
16600,	16612,	20547,	20553,	\DefaultLoversize 12965	
16638,	16642,	20554,	20555,	\DefaultLraise ... 12966	
16685,	16732,	20565,	20575,	\DefaultNindent .. 12969	
16735,	16742,	20584,	20595,	\DefaultOptionsFile	
16745,	16753,	20596,	20597,	. 12988, 12991, 12994	
16760,	16763,	20598,	20599,	\DefaultSlope 12970	
16789,	16791,	20600,	20605,	\deffootnote .. 16788,	



16813, 17337, 17362, 17911, 17931, 18036, 18061	3174, 3177, 3185, 3187, 3255, 3256, 4123	\dfn@latex@RTLfootnotetext 7990, 8005
\define@choicekey . 1654, 1660, 1666, 1672, 1678, 1684, 1696, 1702, 1708, 1715, 1729, 1736, 1746, 20240, 20248	\dfn@afteroutput 8056, 8059, 8108, 8111 \dfn@boxa . 7965, 7970, 7973, 7977, 7978, 7979, 7986, 7991, 7994, 7998, 7999, 8000, 8013, 8020, 8023, 8025, 8032, 8040, 8070, 8077, 8080, 8082, 8086, 8094	\dfn@list . 7983, 8004, 8011, 8044, 8046, 8049, 8055, 8068, 8096, 8098, 8101, 8107 \dfn@LTRfootnotetext 7965, 7985 \dfn@LTRmakecol 8064, 8116, 8118 \dfn@makecol 8116, 8117, 8118 \dfn@makefnmark 7968, 7989 \dfn@RTLfootnotetext 7986, 8006 \dfn@RTLmakecol 8007, 8116, 8117 \dfn@split 7979, 8000, 8013, 8025, 8070, 8082 \DFNalwaysdouble .. 8119 \DFNcolumnsep 8028, 8041, 8085 \DFNcolumnwidth 7962, 7967, 7988, 8027, 8029, 8032, 8042, 8084, 8086
\define@key 1638, 1641, 1644, 1647, 20238	\dfn@boxb 7979, 8000, 8017, 8018, 8025, 8030, 8074, 8075, 8082, 8085 \dfn@countins . 8009, 8066 \dfn@dima 7970, 7971, 7972, 7983, 7991, 7992, 7993, 8004, 8008, 8025, 8045, 8065, 8082, 8097	\diagbox@double 8121, 8124 \diagbox@double@pict@NE 8195, 8202 \diagbox@double@pict@NW 8194 \diagbox@double@pict@SE 8187, 8194 \diagbox@double@pict@SW 8202 \diagbox@font 8122, 8125, 8129, 8131, 8136, 8138, 8142, 8145, 8148, 8152, 8154, 8158, 8160 \diagbox@ht 8189, 8192, 8197, 8200 \diagbox@insepl ... 8122, 8129, 8131, 8142, 8145, 8152, 8154, 8164, 8174, 8176 \diagbox@insepr ... 8125, 8136, 8138, 8148, 8158, 8160, 8167, 8170, 8181, 8183
\definecolor 1997, 1998, 1999, 2000, 2001, 2403, 2410, 7768, 7773, 7776, 7777, 7778, 7780, 7781, 7784, 7785, 7787, 7788, 7791, 7792, 7794, 7795, 7798, 7799, 7801, 7802, 7805, 7806, 7871, 7872, 7877, 7878, 7883, 7884, 7889, 7890, 7895, 7896, 8415	\dfn@dimb 8045, 8046, 8048, 8049, 8051, 8097, 8098, 8100, 8101, 8103 \dfn@elt@adjust 8045, 8097 \dfn@elt@getht 8010, 8067 \dfn@fnht . 7981, 8002, 8043, 8046, 8052, 8053, 8054, 8095, 8098, 8104, 8105, 8106 \dfn@fnmaxdp 7969, 7974, 7979, 7990, 7995, 8000, 8022, 8025, 8079, 8082 \dfn@footnoterule 8063, 8115 \dfn@footnotetext . 7964 \dfn@gobble ... 7966, 7987 \dfn@ins .. 7974, 7975, 7976, 7978, 7995, 7996, 7997, 7999, 8013, 8014, 8070, 8071 \dfn@latex@footnotetext 7963 \dfn@latex@LTRfootnotetext 7969, 7984 \dfn@latex@makecol 8062, 8114	\DFNcolumnwidth 7962, 7967, 7988, 8027, 8029, 8032, 8042, 8084, 8086 \diagbox@double 8121, 8124 \diagbox@double@pict@NE 8195, 8202 \diagbox@double@pict@NW 8194 \diagbox@double@pict@SE 8187, 8194 \diagbox@double@pict@SW 8202 \diagbox@font 8122, 8125, 8129, 8131, 8136, 8138, 8142, 8145, 8148, 8152, 8154, 8158, 8160 \diagbox@ht 8189, 8192, 8197, 8200 \diagbox@insepl ... 8122, 8129, 8131, 8142, 8145, 8152, 8154, 8164, 8174, 8176 \diagbox@insepr ... 8125, 8136, 8138, 8148, 8158, 8160, 8167, 8170, 8181, 8183
\DefineTOCEntryCommandOption 19702, 19704, 19706, 19710, 19712, 19714, 19716, 19718	\DefineTOCEntryIfOption . 19698, 19700, 19732	
\DefineTOCEntryLengthOption .. 19337, 19339, 19494, 19696, 19708, 19734, 19736	\DefineTOCEntryOption 19720	
\DefNewDummy .. 3550, 3567	\delimiter 11381	
\DEPTH 18834, 18841	\depth 11809, 14284, 14291, 14316	
\depthof .. 8290, 8295, 8304, 8305, 8309, 8314	\descriptionlabel . 5740	
\DetectColumn 20894, 20898	\detokenize 2884, 2886, 3112, 3114, 3115, 3142, 3157,	



<code>\diagbox@setlinecolor</code>	11455,	11457,	<code>\divide</code>	3868, 6082, 9163,
.... 8188, 8191,	11466,	11468,	10239,	10240,
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\EmptyList 3650	15899, 15902,	376, 1362, 2151,
\end 179, 186, 422,	15972, 15975,	2152, 2166, 2167,
425, 428, 493, 496,	16030, 16038,	2193, 2196, 2199,
759, 767, 770, 840,	16041, 16118,	2215, 2223, 2231,
843, 1011, 1019,	16121, 16126,	2286, 2573, 2576,
1022, 1092, 1095,	16127, 16128,	2579, 2581, 2584,
1261, 1269, 1272,	16285, 16288,	2586, 2589, 2597,
1343, 1346, 1351,	16291, 16363,	2598, 2603, 2611,
1352, 1353, 1934,	16472, 16475,	2612, 2614, 2616,
2083, 2094, 2095,	16478, 16543,	2618, 2621, 2622,
2490, 2492, 2494,	16546, 16643,	2627, 2628, 2657,
2496, 2498, 2502,	16686, 16852,	2658, 2681, 2682,
2510, 2513, 2563,	16867, 16874,	2709, 2737, 2741,
2654, 2662, 2664,	16880, 16884,	2751, 2759, 2767,
2665, 2671, 2678,	16892, 16964,	2775, 2777, 2779,
2686, 2688, 2689,	16981, 16991,	2783, 2784, 2841,
2695, 3376, 3382,	17019, 17401,	2847, 2848, 2890,
3402, 3408, 4549,	17416, 17423,	2900, 2906, 2907,
4550, 4555, 4558,	17429, 17433,	2909, 2910, 2912,
4635, 4636, 4643,	17441, 17513,	2913, 2915, 2958,
4644, 4651, 4652,	17530, 17540,	2959, 2981, 2982,
4672, 4673, 4711,	17599, 18100,	3037, 3038, 3039,
4714, 4717, 4720,	18115, 18122,	3040, 3046, 3047,
4727, 4728, 4911,	18128, 18132,	3048, 3049, 3132,
4912, 5531, 5587,	18140, 18212,	3133, 3136, 3137,
5594, 5601, 5608,	18229, 18239,	3363, 3365, 3377,
5615, 5626, 5634,	18282, 18757,	3379, 3411, 3412,
5761, 5762, 5898,	18950, 20259,	3413, 3414, 3424,
5941, 5963, 6354,	20266, 20276,	3437, 3461, 3466,
6548, 6556, 6559,	20281, 20294,	3470, 3486, 3504,
6725, 6733, 6736,	20301, 20304,	3506, 3514, 3516,
6765, 6777, 6817,	20323, 20340,	3525, 3526, 3606,
6820, 6823, 6888,	20347, 20353, 20355	3610, 3641, 3649,
6891, 7204, 7214,	\end@dblfloat 16730	3650, 3663, 3671,
7227, 7237, 7250,	\end@float	3673, 3700, 3721,
7260, 7273, 7283,	.. 4575, 4904, 16681	3758, 3759, 3760,
7824, 7933, 7945,	\end@rotdblfloat . 16685	3776, 3777, 3778,
7953, 8336, 8410,	\end@rotfloat	3779, 3885, 3888,
8540, 8543, 8546,	. 16642, 16683, 16684	3893, 3909, 3912,
8605, 8608, 8635,	\endarray 375,	3914, 3924, 3927,
8638, 8641, 8706,	399, 1360, 1361,	3929, 3936, 3940,
8709, 8798, 10640,	18692, 18696, 20641	3941, 3946, 3955,
	\endBCmd 2085	3956, 3972, 3975,



3989, 4001, 4033,	11284,	11298,	19906,	19922,
4044, 4129, 4131,	11312,	11359,	19925,	19931,
4169, 4171, 4177,	11374,	12273,	19933,	19936,
4220, 4360, 4381,	12276,	12278,	19940,	19945,
4732, 4733, 4740,	12282,	12286,	19949,	19953,
4741, 5333, 5351,	12300,	12311,	19967,	19971,
5369, 5400, 5429,	12322,	12522,	19974,	19977,
5458, 5700, 6226,	12553,	12584,	19981,	19983,
6261, 6264, 6267,	12897,	13000,	20016,	20017,
6281, 6288, 6295,	13003,	13432,	20019,	20021,
6303, 6304, 6342,	13498,	14468,	20026,	20028,
6367, 6368, 7150,	14469,	14476,	20030,	20034,
7156, 7164, 7171,	15090,	15100,	20037,	20038,
7743, 8898, 8912,	15114,	16778,	20041,	20042,
8926, 8938, 8949,	16782,	16786,	20051,	20053,
8960, 9189, 9199,	17224,	17226,	20055,	20059,
9209, 9235, 9248,	17228,	17231,	20063,	20064,
9260, 9298, 9307,	17237,	17246,	20117,	20119,
9316, 9341, 9353,	17248,	17250,	20121,	20125,
9364, 9401, 9411,	17256,	17327,	20145,	20146,
9421, 9447, 9460,	17331,	17335,	20154,	20158,
9472, 9510, 9520,	17804,	17806,	20162,	20166,
9530, 9556, 9569,	17808,	17811,	20170,	20174,
9581, 9619, 9629,	17817,	17825,	20178,	20182,
9639, 9665, 9678,	17827,	17830,	20220,	20221,
9690, 9728, 9738,	17836,	18026,	20223,	20226,
9748, 9774, 9787,	18030,	18034,	20227,	20231,
9799, 9837, 9847,	18487,	18489,	20679,	20744,
9857, 9883, 9896,	18491,	18494,	20830,	20891,
9908, 9946, 9956,	18500,	18508,	20904, 20906, 21375	
9966, 9992, 10005,	18510,	18513,	\enddocument . . . 3319,	
10017, 10055,	18519,	18668,	3325, 3332, 3347	
10065, 10075,	18694,	18696,	\endflushleft . 2105, 2113	
10101, 10114,	18728,	18750,	\endgraf 13594, 13613,	
10126, 10321,	18752,	18768,	17189, 17769, 18452	
10333, 10345,	18769,	18789,	\endgroup 17, 127, 212,	
10382, 10396,	18796,	19006,	310, 317, 373, 389,	
10410, 10727,	19269,	19270,	463, 515, 529, 667,	
10880, 10882,	19286,	19287,	689, 814, 891, 911,	
10886, 10888,	19288,	19295,	1066, 1150, 1173,	
10992, 10993,	19297,	19298,	1316, 1485, 1979,	
10994, 10995,	19351,	19352,	2217, 2225, 2233,	
10997, 10999,	19506,	19507,	2609, 2648, 2667,	
11000, 11001,	19617,	19621,	2691, 2899, 2918,	
11002, 11004,	19625,	19724,	3062, 3081, 3126,	
11005, 11006,	19727,	19741,	3148, 3158, 3175,	
11063, 11087,	19757,	19758,	3225, 3296, 3320,	
11105, 11191,	19774,	19781,	3323, 3428, 3634,	
11200, 11223,	19786,	19847,	3636, 3664, 3669,	
11240, 11256,	19902,	19904,	3678, 3836, 3884,	



3908, 3923, 3994,	17600, 17738,	\endpspicture 15569
4006, 4018, 4038,	18168, 18283,	\endR 181,
4049, 4060, 4224,	18421, 18771,	336, 341, 375, 399,
4323, 4333, 4373,	18892, 19071,	1360, 1361, 1478,
4742, 5169, 5171,	19487, 19598,	2188, 2189, 7035,
5402, 5431, 5460,	19999, 20127,	7122, 7138, 7143,
5837, 5854, 5870,	20437, 20470,	7145, 7177, 8241,
5881, 5921, 6240,	20513, 20532,	9155, 9159, 10878,
6283, 6290, 6297,	20639, 20974,	11802, 11807,
6355, 6444, 6467,	21017, 21223, 21233	11864, 11903,
6621, 6644, 6858,	\endL 183, 1489,	11910, 12279,
6908, 6923, 7129,	1630, 1903, 2535,	12287, 12669,
7389, 7448, 8260,	7133, 7142, 7143,	12705, 12737,
8278, 8456, 8469,	7152, 7158, 7177,	12766, 12792,
8579, 8676, 8725,	10746, 10859,	12802, 12805,
10242, 10304,	10873, 11035,	12936, 13178,
10561, 10576,	11805, 11813,	13588, 13652,
10679, 10803,	11832, 11842,	13655, 13665,
10843, 10927,	11857, 11878,	13756, 13764,
10948, 11193,	12666, 13178,	13955, 14281,
11202, 11361,	15336, 15476,	14446, 14448,
11376, 11395,	15495, 15604,	15345, 15477,
11436, 11467,	16740, 16751,	15485, 15564,
11612, 11665,	16758, 16768,	15565, 15566,
11843, 11858,	18846, 20445,	16736, 16746,
12264, 12302,	20446, 20485,	16755, 16764,
12313, 12324,	20489, 20542,	17156, 17736,
12335, 12436,	20553, 20572,	18419, 18666,
12461, 12499,	21202, 21277, 21293	18667, 18692,
12532, 12563,	\endlist 96, 299,	18698, 18845,
12594, 12823,	582, 714, 945, 977,	20442, 20446,
12834, 12906,	1227, 5725, 5733,	20448, 20542,
12929, 13005,	5738, 6494, 6682,	20554, 20562,
13029, 13211,	6994, 8515, 8789,	20649, 20794,
13580, 14359,	10623, 12861,	20797, 20800,
14477, 14577,	15085, 15846,	20817, 20828,
14674, 14881,	16240, 16437,	20829, 21202,
14885, 14889,	16640, 17062,	21215, 21217,
15272, 15322,	17642, 18325, 18969	21277, 21293,
15327, 15329,	\endlooprepeat	21312, 21315, 21323
15332, 15337,	... 3763, 3792, 3799	\endrotate 16745
15574, 15605,	\endLTR 15515, 20596	\endRTL 15517, 20598
15791, 15814,	\endMakeFramed ... 11409	\ends@math 7027
15946, 16087,	\endmath 7027	\endsideways 16763
16163, 16186,	\endmdf@lrbox 13711	\endsidewaysfigure 16683
16331, 16378,	\endminipage 9114, 11336, 18850	\endsidewaystable 16684
16393, 16513,	\endmodernpoem 6368	\endstabular 18666, 18668
16563, 16578,	\endmulticols 14952	\endstrip 14690
16920, 17020,	\endpgfpicture ... 15290	\endtabular . 375, 376,
17158, 17469,		1361, 1362, 2188,



18692, 18694, 18778, 20828, 20830	\eqstyle 7002	5808, 5810, 7765, 7863
\endtabularx	\equal 2500, 2517, 2521, 2525, 4563, 4597, 4608, 4640, 4641, 4657, 4698, 4956, 5198, 5199, 5217, 5218, 5236, 5237, 5268, 5269, 7932, 10983	\ExecuteOptionsX . . 1753
. 18729, 18758, 18769	\errmessage	\exhyphenpenalty 616, 923, 1117, 6413, 6590, 15742, 16192, 16254
\endtcblrbox 18850, 18851	. . 1597, 1878, 14778	\exp 13832, 13835, 13889, 14064, 14118
\endtcbsavebox . . 18851	\ERROR 20915	\expandafter . . . 166, 352, 376, 746, 755, 763, 789, 792, 998, 1007, 1015, 1041, 1044, 1248, 1257, 1265, 1291, 1294, 1362, 1377, 1459, 1460, 1461, 1463, 1529, 1531, 1535, 1537, 1541, 1543, 2133, 2135, 2139, 2141, 2145, 2147, 2151, 2152, 2160, 2162, 2166, 2167, 2191, 2194, 2197, 2200, 2204, 2207, 2210, 2261, 2262, 2315, 2573, 2576, 2579, 2583, 2597, 2609, 2610, 2615, 2626, 2651, 2653, 2657, 2658, 2662, 2665, 2675, 2677, 2681, 2682, 2686, 2689, 2709, 2711, 2716, 2736, 2737, 2740, 2741, 2777, 2779, 2783, 2787, 2789, 2793, 2795, 2799, 2801, 2805, 2807, 2811, 2813, 2817, 2819, 2823, 2825, 2829, 2831, 2842, 2844, 2848, 2849, 2850, 2852, 2853, 2856, 2860, 2862, 2867, 2868, 2870, 2871, 2874, 2883, 2890, 2894, 2896, 2899, 2900, 2901, 2903, 2906, 2907, 2909,
\endtcbvbox 18861	\ESOfisMEMOIR 8246	
\endtitlepage . . 624, 931, 1183, 6476, 6664, 15750, 16200	\evenpage . 1940, 1943, 1944, 1945, 1947, 1948, 1949, 1950, 1952	
\endtraditionalpoem 6304	\evensidemargin 1964, 8269, 11951, 11956, 11964, 21243, 21251	
\endtrivlist 10874	\everycr 13584	
\endturn 16735	\everydisplay 6997	
\endwindow 15347	\everyhbox . . . 15479, 15481, 15489, 15491, 20556, 20558, 20566, 20568	
\enskip 20112, 20137	\everyjob 1524, 1525, 1846, 1847	
\enspace 308, 15341, 15343	\everymath 339	
\ensuremath 1526	\everypar 513, 665, 909, 1148, 5015, 5059, 5103, 6443, 6620, 6907, 8724, 10560, 10754, 15471, 15475, 15683, 15790, 16162, 16377, 16562, 19064, 19068, 19596, 20548, 20552, 21119, 21163	
\env@RTLcases 20654, 20658	\everyvbox 1364, 1365, 15499, 15501, 15507, 15509, 20576, 20578, 20585, 20587	
\EQ 8283, 8289, 8290, 8294, 8295, 8304, 8305, 8307, 8309, 8310, 8312, 8313, 8314, 8315, 8317, 8318, 8319, 8331, 8334, 8336, 8338, 8339, 8341, 8344, 8346, 8348, 8349, 8351, 8352, 8354, 8357, 8358, 8359, 8362, 8365, 8373, 8380, 8388, 8395, 8397, 8400, 8404, 8405, 8406, 8407, 8419, 8421, 8422		
\eq@addpunct 7032		
\EQ@box 7037, 7043		
\eq@group 7000, 7009		
\eq@GRP@first@dmath 7009		
\eq@if . . . 2732, 2733, 2735		
\eq@isIntertext . . . 7047		
\eq@prelim . . . 7000, 7017		
\eq@setnumber 7003		
\eq@setup@a 7005		
\eq@startup 7006		
\eq@wdCond 7024		
\eqnewif 1552, 1553, 1558, 1570, 2728		
\eqno 327, 15560, 15562, 21318, 21320		
\eqnumform 7035		



2910, 2912, 2913,	11089,	11092,	18512,	18518,
2915, 2919, 2953,	11105,	11119,	18668,	18694,
2954, 2955, 2956,	11120,	11121,	18727,	18730,
2957, 2959, 2982,	11122,	11124,	18750,	18753,
2986, 3037, 3038,	11348,	11436,	18755,	18757,
3039, 3040, 3046,	11458,	11459,	18768,	18769,
3047, 3048, 3049,	11467,	11578,	18777,	18781,
3132, 3133, 3147,	11580,	11627,	18783,	18790,
3148, 3149, 3151,	11629,	11848,	18792,	18797,
3158, 3159, 3162,	11886,	11887,	18799,	18808,
3177, 3184, 3193,	12304,	12306,	19269,	19270,
3411, 3412, 3413,	12315,	12317,	19286,	19287,
3414, 3429, 3456,	12326,	12328,	19288,	19295,
3457, 3466, 3470,	12431,	12445,	19297,	19298,
3525, 3526, 3538,	12459,	12483,	19351,	19506,
3539, 3634, 3636,	12497,	12530,	19617,	19621,
3641, 3643, 3644,	12561,	12592,	19625,	19724,
3663, 3665, 3668,	12823,	12824,	19727,	19741,
3671, 3672, 3673,	12831,	12845,	19757,	19774,
3675, 3678, 3683,	13000,	13008,	19781,	19786,
3746, 3758, 3760,	13013,	13192,	19847,	19901,
3776, 3777, 3778,	13193,	13198,	19903,	19905,
3779, 3817, 3828,	13199,	13581,	19921,	19925,
3833, 3847, 3884,	13627,	13630,	19930,	19932,
3885, 3886, 3889,	14458,	14461,	19935,	19939,
3892, 3908, 3909,	14493,	14495,	19944,	19948,
3923, 3924, 3936,	14593,	14595,	19952,	19966,
3941, 3946, 3956,	15234,	15251,	19971,	19973,
3972, 3975, 4001,	15263,	15268,	19976,	19980,
4044, 4106, 4115,	15473,	15878,	19983,	20029,
4127, 4129, 4130,	15887,	15895,	20033,	20054,
4170, 4180, 4181,	15921,	15924,	20058,	20120,
4202, 4219, 4230,	16017,	16026,	20124,	20220,
4232, 4359, 4360,	16034,	16062,	20221,	20223,
5159, 5700, 6130,	16065,	16648,	20226,	20227,
6262, 6265, 6268,	16660,	16670,	20230,	20455,
6271, 6274, 6277,	16691,	16706,	20467,	20470,
6303, 6304, 6367,	16718,	17223,	20478,	20479,
6368, 6382, 6535,	17225,	17227,	20498,	20510,
6544, 6552, 6712,	17230,	17236,	20513,	20527,
6721, 6729, 6997,	17245,	17247,	20528,	20532,
7107, 7149, 7170,	17249,	17255,	20550,	20830,
7337, 7339, 7400,	17803,	17805,	20891,	20903,
7402, 9130, 10776,	17807,	17810,	20938,	20940,
10778, 10812,	17816,	17824,	20985, 20987, 21375	
10814, 10880,	17826,	17829,	\ExplSyntaxOff ... 15226	
10881, 10886,	17835,	18486,	\ExplSyntaxOn 15202	
10887, 10984,	18488,	18490,	\extrafeetendmini .	
11001, 11006,	18493,	18499,	..... 9087,9113	
11065, 11068,	18507,	18509,	\extrafeetendminihook	



..... 9111, 9112	\fb@frh . 11430, 11434,	107, 108, 109, 117,
\extrafeetins . 9044, 9045	11449, 11484, 11487	134, 136, 142, 150,
\extrafeetinshook .	\fb@put@frame . 11412,	154, 158, 162, 169,
..... 9072, 9073	11423, 11494, 11514	177, 184, 193, 207,
\extrafeetminihook 9086	\fb@putboxa . . . 11417,	208, 213, 218, 224,
\extrainfo 2443	11442, 11500, 11517	227, 228, 229, 239,
\extrarowheight . . .	\fb@resto@set	290, 305, 309, 328,
. . . 379, 13555, 13563	. 11452, 11492, 11496	336, 341, 355, 356,
\extrarulesep 18721	\fb@sizeofframe . . .	368, 369, 372, 375,
\extratitle . . . . .	. . . . . 11425, 11447	391, 397, 399, 456,
. 16942, 17491, 18190	\fbox 2085,	461, 499, 506, 514,
	2095, 7176, 8423,	516, 523, 526, 527,
	12078, 12084,	530, 549, 550, 556,
	12091, 12097,	565, 588, 597, 604,
	12103, 12109,	613, 617, 630, 633,
	12117, 12121,	634, 635, 641, 642,
	12126, 12130,	647, 650, 658, 666,
	12134, 12138,	668, 675, 676, 683,
	12153, 12154,	686, 687, 692, 700,
	12169, 12170,	739, 749, 758, 766,
	12179, 12183,	790, 792, 807, 812,
	12188, 12192,	846, 853, 862, 868,
	12196, 12200,	869, 875, 878, 885,
	12208, 12214,	888, 889, 894, 902,
	12221, 12227,	910, 912, 919, 920,
	12233, 12239, 15603	924, 944, 945, 946,
	\fboxrule 2033, 11386,	963, 991, 1001,
	11392, 11398,	1010, 1018, 1042,
	11400, 11402, 11404	1044, 1059, 1064,
	\fboxsep . . 2034, 2101,	1098, 1105, 1114,
	2110, 7138, 7139,	1118, 1124, 1125,
	7140, 7176, 11386,	1130, 1133, 1141,
	11398, 11400,	1149, 1151, 1158,
	11402, 11404,	1159, 1167, 1170,
	15602, 20442,	1171, 1176, 1189,
	20443, 20444, 20540	1192, 1193, 1194,
	\fcolorbox 2035	1213, 1241, 1251,
	\FeetAboveFloat . . .	1260, 1268, 1292,
	. . . . . 10541, 10545	1294, 1309, 1314,
	\FeetAtBottom 10543	1352, 1353, 1355,
	\FeetBelowFloat . . 10542	1358, 1360, 1361,
	\FeetBelowRagged . .	1366, 1380, 1381,
	. . . . . 10544, 10546	1395, 1396, 1410,
	\ff@backcol 10995	1418, 1419, 1425,
	\ff@col 10993	1426, 1430, 1435,
	\ff@frametype 10991, 11002	1438, 1443, 1446,
	\ff@txtcol	1454, 1455, 1464,
	. 10983, 10984, 10994	1465, 1477, 1478,
	\fi 12, 13, 18,	1489, 1532, 1538,
	25, 36, 87, 98, 104,	1544, 1588, 1589,



1596, 1597, 1609,
1615, 1616, 1659,
1665, 1671, 1677,
1683, 1695, 1701,
1707, 1713, 1727,
1734, 1741, 1751,
1768, 1778, 1783,
1789, 1792, 1800,
1808, 1854, 1869,
1870, 1877, 1878,
1889, 1925, 2136,
2142, 2148, 2163,
2184, 2188, 2189,
2191, 2247, 2248,
2254, 2269, 2270,
2273, 2276, 2279,
2283, 2284, 2292,
2506, 2507, 2508,
2510, 2538, 2546,
2594, 2608, 2623,
2624, 2646, 2647,
2662, 2672, 2686,
2696, 2705, 2712,
2782, 2790, 2796,
2802, 2808, 2814,
2820, 2826, 2832,
2845, 2854, 2857,
2863, 2872, 2875,
2897, 2904, 2948,
2983, 3134, 3152,
3320, 3323, 3430,
3475, 3480, 3485,
3488, 3489, 3490,
3498, 3508, 3510,
3518, 3525, 3528,
3532, 3539, 3544,
3555, 3567, 3568,
3606, 3610, 3617,
3621, 3623, 3654,
3746, 3780, 3818,
3824, 3828, 3833,
3847, 3890, 3916,
3930, 3942, 3957,
3993, 4005, 4037,
4048, 4102, 4104,
4105, 4134, 4136,
4140, 4141, 4150,
4152, 4173, 4174,
4176, 4190, 4191,
4193, 4194, 4209,

4222, 4223, 4231,
4248, 4303, 4313,
4324, 4511, 4517,
4710, 4713, 4716,
4719, 4738, 4749,
4979, 4988, 5015,
5023, 5032, 5067,
5076, 5252, 5309,
5311, 5321, 5647,
5648, 5765, 5766,
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21316,	21320,	\FN@sfc@footnote 282
21321,	21323, 2129, 2133	\footdir@ORG@bidi@amsbook@LTRfootnotetext
21331,	21333,	\FN@sfc@footnotemark 284
21438,	21444, 21450 2158, 2160	\footdir@ORG@bidi@amsbook@RTLfootnotetext
\figcaption . 12031, 12049		\FN@sfc@LTRfootnote 283
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8108, 8890, 8904,	9951, 9961, 10038,	11143, 11146,
8918, 9078, 9137,	10039, 10050,	11161, 11166,
10462, 10471,	10060, 10070,	11167, 11169,
10494, 10498,	10197, 10198,	11758, 11791,
10507, 10511,	10228, 10230,	14846, 15540,
10517, 10532,	10255, 10256,	18862, 21035, 21062
11214, 11231,	10290, 10292,	\footnotes
11247, 11570,	10311, 10339,	5290
11571, 11619,	14903, 14904,	\footnotesep ..
11620, 11673,	14911, 14912,	29, 31,
11674, 11675,	14918, 14919,	40, 46, 54, 60, 70,
11676, 11696,	14934, 14978, 14979	76, 233, 235, 243,
11697, 11707,	\footmarkstyle	249, 257, 263, 272,
11716, 11737,	8995, 9034	278, 7979, 8000,
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15538, 15539, 8994, 8999,	8880, 8886, 9082,
15541, 21026,	9000, 9002, 9004,	10222, 10284,
21032, 21036,	9007, 9011, 9012,	11219, 11227,
21041, 21059, 21063	9014, 9016, 9019,	11236, 11244,
\footinsdim	9023, 9024, 9026,	11252, 11260,
9077, 9078,	9028, 9031, 9038, 9041	11287, 11301,
9142, 9172, 9281,	\footnote	11315, 12880, 12882
9384, 9493, 9602,	410,	\footnotesize ...
		38,



52, 68, 106, 226, 241, 255, 270, 406, 730, 982, 1232, 2513, 2535, 4447, 4448, 4486, 5105, 5106, 5107, 5299, 5329, 5347, 5365, 6519, 6696, 6801, 8526, 8619, 9074, 9075, 9076, 10626, 11210, 11211, 11212, 11217, 11234, 11250, 11280, 11294, 11308, 12872, 15341, 15343, 15862, 15999, 16259, 16456, 16834, 17383, 18082	\fourcolumnfootnotes 9378 \fp 14053, 14054, 14055, 14056 \fps@figure 12019 \framebox 7818, 7949, 14712, 14718 \FrameCommand 11398 \FrameHeightAdjust 11472 \FrameRestore . 11406, 11410, 11526, 11527 \fromaddress 8791, 8797, 8807, 12938, 12944 \fromname 8812 \fromplace 18009 \fromsig 8811, 8813, 18016 \fromvalue 3726, 3812, 3835, 3857, 3872 \frontmatter 5992 \fs@bituftefloatboxed 4936 \fs@bituftefloatplain 4915, 4923 \fs@bituftefloatplaintop 4923 \fs@bituftefloatruled 4928 \fslice . 15358, 15359, 15361, 15362, 15365 \ftn@amount ... 11674, 11675, 11676, 11683, 11687, 11688 \ftn@font 16809, 17358, 18057 \ftn@rule@height 16816, 16819, 16823, 16826, 17365, 17368, 17372, 17375, 18064, 18067, 18071, 18074 \ftn@rule@test@values 16815, 16822, 17364, 17371, 18063, 18070 \ftn@rule@width 16819, 16826, 17368, 17375, 18067, 18074	\ftnm@font 16811, 17360, 18059 \full@width 14770, 14782, 14833 \futurelet 783, 785, 1035, 1037, 1285, 1287, 2702, 3534, 3537, 15915, 15917, 16056, 16058
\footnotetext .. 2193, 2204, 6261, 6271 \footrule 10763 \footrulewidth 2383, 4768 \footscript 8995, 9001, 9005, 9007 \footskip .. 10763, 21290 \foottextfont .. 8874, 8894, 8936, 9074, 9167, 9186, 9221, 9232, 9276, 9295, 9327, 9338, 9379, 9398, 9433, 9444, 9488, 9507, 9542, 9553, 9597, 9616, 9651, 9662, 9706, 9725, 9760, 9771, 9815, 9834, 9869, 9880, 9924, 9943, 9978, 9989, 10033, 10052, 10087, 10098, 10157, 10192, 10221, 10246, 10283, 10318, 10354, 10379 \forcerectofloat .. 4570 \forceversofloat .. 4571 \forvariable 3726, 3732, 3808, 3844, 3851, 3856, 3862, 3867, 3871, 3872		G \g 8302, 8304, 8308, 8401, 13751, 13756, 13758, 13764, 13766, 13809, 13813, 13814, 13860, 13864, 13865, 13882, 13883, 13920, 13936, 13939, 13945, 13946, 13947, 13948, 13949, 13958, 13959, 13961, 13963, 13964, 13965, 13972, 13973, 13978, 13984, 13993, 13996, 14004, 14005, 14008, 14009, 14010, 14011, 14012, 14013, 14015, 14018, 14019, 14021, 14024, 14026, 14029, 14034, 14042, 14043, 14045, 14046, 14047, 14048, 14049, 14050, 14051, 14053, 14054, 14055, 14056, 14058, 14059, 14069, 14077, 14078, 14079, 14081, 14086, 14087, 14092, 14093, 14097, 14102, 14105,



14112,	14114,	4584, 4586, 4589,	\Gininclude@graphics
14117,	14118,	4669, 4674, 4675,	..... 11841, 11853
14122,	14124,	4676, 4828, 4869,	\Ginput@path 13951
14125,	14128,	5248, 5386, 5415,	\global 301,
14129,	14130,	5444, 5483, 5492,	430, 431, 432, 433,
14134,	14135,	5501, 5830, 5847,	434, 435, 436, 437,
14139,	14140,	5863, 5875, 5915,	438, 439, 440, 441,
14147,	14162,	5916, 5917, 6104,	459, 465, 466, 467,
14163,	14164,	6107, 6369, 6381,	468, 469, 470, 471,
14166,	14171,	6383, 7344, 7407,	472, 473, 474, 475,
14174,	14175,	8285, 8298, 10515,	476, 477, 512, 513,
14178,	14182,	10528, 10541,	664, 665, 772, 773,
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14188,	14189,	10819, 11105,	778, 779, 780, 781,
14190,	14197,	11165, 11585,	810, 816, 817, 818,
14198,	14199,	11634, 13001,	819, 820, 821, 822,
14201,	14202,	13233, 13236,	823, 824, 825, 826,
14205,	14206,	14500, 14600,	908, 909, 1024,
14211,	14217,	15127, 15148,	1025, 1026, 1027,
14228,	14233,	15532, 18606,	1028, 1029, 1030,
14234,	14235,	18868, 18869,	1031, 1032, 1033,
14239,	14242,	18874, 18897,	1062, 1068, 1069,
14243,	14244,	18898, 20222,	1070, 1071, 1072,
14245,	14247,	20613, 20663,	1073, 1074, 1075,
14255,	14269,	20888, 20945, 20992	1076, 1077, 1078,
14270,	14271,	\geometry 4469,	1147, 1148, 1274,
14272,	14274,	4472, 4476, 4479, 4483	1275, 1276, 1277,
14277,	14285,	\Gin@angle 15188	1278, 1279, 1280,
14286,	14289,	\Gin@bboxtrue 11836	1281, 1282, 1283,
14293,	14294,	\Gin@defaultbp	1312, 1318, 1319,
14296,	14298,	.. 11837, 11838,	1320, 1321, 1322,
14299,	14300,	11839, 11840,	1323, 1324, 1325,
14304,	14305,	18833, 18834, 18837	1326, 1327, 1328,
14306,	14311,	\Gin@eheight 15190	1454, 1455, 1981,
14318,	15205,	\Gin@esetsize 11855	1982, 1983, 1984,
15207, 15216, 15219		\Gin@ewidth . 15189, 15190	1985, 1986, 1987,
\g@addto@macro		\Gin@exclamation ..	1988, 1989, 1990,
3975, 4219, 4304,		. 11885, 15189, 15192	1991, 2191, 2194,
4314, 4565, 5251,		\Gin@gridfalse ... 15175	2197, 2200, 2204,
5253, 8331, 8334,		\Gin@ii 11844	2207, 2210, 2289,
8336, 19929, 20225		\Gin@iii ... 11833, 11847	2293, 2315, 2598,
\g@mix@page@int .. 14191		\Gin@llx 11837	2612, 2614, 2620,
\gdef .. 399, 401, 2032,		\Gin@lly 11838	2622, 2633, 2639,
2404, 2405, 2406,		\Gin@outer@scalex 15186	2651, 2675, 2759,
2407, 2408, 2409,		\Gin@outer@scaley 15187	2775, 3634, 3636,
2411, 2412, 2573,		\Gin@scalex 15191	3649, 3650, 3660,
2597, 3412, 3498,		\Gin@scaley 15192	3668, 3678, 3791,
3500, 3510, 3512,		\Gin@curx 11839	3810, 3812, 3814,
3821, 3823, 3824,		\Gin@cury 11840	3826, 3831, 4434,
4298, 4309, 4583,			4568, 4612, 4613,



4985, 4996, 4999,	7716, 7719, 7722,	10656,	10657,
5029, 5040, 5043,	7732, 7740, 7741,	10675,	10681,
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6184, 6211, 6224,	8071, 8079, 8083,	10690,	10691,
6225, 6253, 6262,	8095, 8098, 8106,	10771,	10772,
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6340, 6341, 6347,	8555, 8556, 8557,	10895,	10898,
6348, 6350, 6370,	8575, 8581, 8582,	10931,	10934,
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6860, 6861, 6862,	8954, 9118, 9120,	11583,	11592,
6863, 6864, 6865,	9161, 9229, 9241,	11617,	11618,
6866, 6867, 6868,	9254, 9335, 9346,	11619,	11620,
6869, 6870, 6871,	9358, 9441, 9453,	11621,	11622,
6872, 6906, 6907,	9466, 9550, 9562,	11632,	11641,
6999, 7009, 7010,	9575, 9659, 9671,	11670,	11671,
7011, 7012, 7013,	9684, 9768, 9780,	11683,	11684,
7014, 7015, 7016,	9793, 9877, 9889,	11685,	11687,
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7595, 7598, 7603,	10648, 10649,	14332,	14333,
7612, 7620, 7675,	10650, 10651,	14334,	14335,
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7704, 7713, 7715,	10654, 10655,	14338,	14355,



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14488,	14498,	16047,	16048,	16947,	16948,
14504,	14507,	16049,	16050,	16949,	16950,
14509,	14511,	16051,	16052,	17150,	17204,
14512,	14514,	16053,	16054,	17206,	17465,
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14538,	14539,	16092,	16093,	17481,	17482,
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14579,	14587,	16100,	16101,	17489,	17490,
14588,	14598,	16161,	16162,	17491,	17492,
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15573,	15623,	16520,	16521,	18790,	18792,
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15904,	15905,	16524,	16525,	19063,	19064,
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16043,	16044,	16943,	16944,	20980,	20990,



20997, 21089,	\group . . 13932, 13953,	12873, 12874,
21100, 21103,	14240, 14253,	12875, 14416,
21133, 21144,	14258, 14265, 14321	14422, 15766,
21147, 21175,	\grp@aligned 7015	16138, 20809, 21333
21184, 21185,	\GRP@box . 7010, 7042, 7044	\hb@xt@ 449,
21186, 21187,	\grp@eqs@numbered . 7014	509, 528, 661, 688,
21189, 21192,	\grp@hasNumber 7019	890, 905, 1052,
21193, 21207,	\GRP@label 7011	1144, 1172, 1975,
21212, 21226,	\grp@linewidth 7013	6440, 6465, 6617,
21227, 21229,	\GRP@queue . . . 7010, 7046	6642, 6844, 6904,
21238, 21271,	\grp@setnumber 7019	6921, 7182, 7351,
21283, 21286,	\grp@shiftnumber . . 7016	7356, 7360, 7414,
21288, 21295,	\grp@wdL 7012	7415, 7421, 7479,
21299, 21301,	\grp@wdNum 7013	7483, 7486, 7491,
21302, 21305, 21314	\grp@wdR 7012	7496, 7656, 7660,
\GlobalSetatBoolean 2768	\grp@wdT 7012	7662, 7666, 7670,
\GlobalSetBoolean .	\Gscale@box	8455, 8467, 8565,
. . . . 2752, 4570,	. 11815, 11907, 11924	8662, 8721, 9000,
4571, 4598, 4599,	\Gscale@div	9007, 9012, 9019,
4603, 4604, 4897, 4898	. 11906, 11913, 11916	9024, 9031, 10557,
\glossary . . 10956, 21266	\Gscale@end . 11819, 11865	10574, 10665,
\glueexpr 19775,	\Gscale@start 11819, 11865	10826, 10827,
19782, 19787,	\Gscale@x . . 11817, 11863	10833, 10853,
19848, 19909,	\Gscale@y . . 11817, 11863	10868, 10987,
19912, 19916, 19922	\gsetlength	11594, 11595,
\Gm@pageframes . . . 11947	4432, 4585, 4677,	11601, 11643,
\Gm@vrule 11930,	5139, 5388, 5390,	11648, 11652,
11931, 11932,	5417, 5419, 5446, 5448	11828, 11874,
11934, 11935,		11929, 11934,
11936, 11939,		11939, 11943,
11940, 11941,		12934, 13097,
11944, 11945, 11946		13104, 13111,
\Gm@vrules@mpi . . . 11927		13116, 13184,
\Gm@vrules@mpii . . 11937		14451, 14553,
\grid 15183, 15196		14558, 14562,
\Grot@box 11805,		14653, 14654,
11813, 16740,		14660, 14757,
16751, 16758, 16768		15787, 15812,
\Grot@box@kv 11806		16159, 16184,
\Grot@box@std 11800		16275, 16318,
\Grot@setangle 11801,		16391, 16499,
11812, 16733,		16559, 16576,
16743, 16754, 16761		17116, 17156,
\Grot@x 11803,		17696, 17736,
11808, 16738,		18379, 18419,
16748, 16756, 16766		18644, 19326,
\Grot@y 11804,		19484, 19590,
11809, 16739,		19982, 20095,
16749, 16756, 16767		20132, 20134,
		20200, 20207,



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	20882,	20952,	12904,	12957,	20555,	20564,
	20957,	20961,	13567,	13587,	20565,	20574,
	20999,	21000,	13592,	13652,	20623,	20624,
	21006,	21196,	13655,	13937,	20627,	20628,
	21277, 21293, 21315		13953,	13954,	20629,	20630,
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	232, 338, 372, 380,		14892,	15214,	21204, 21214, 21216	
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	4544, 4632, 4634,		15407,	15411,	<code>\hboxR</code>	190, 1606, 1608,
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	6114, 6118, 6129,		15556,	15582,	10757, 10964, 21273	
	6146, 6157, 6370,		15600,	15611,	<code>\headrule</code> 10760
	6384, 6426, 6504,		15773,	15827,	<code>\headrulewidth</code>	2382, 4767
	6603, 6657, 6931,		16145,	16250,	<code>\headsep</code>	.. 1965, 1968,
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	8086, 8288, 8293,		17187,	17358,	10764, 10765, 10766	
	8299, 8522, 8821,		17360,	17375,	<code>\height</code>	. 11809, 11883,
	10150,	10162,	17659,	17767,	12091, 12093,	
	10167,	10171,	17928,	17929,	12097, 12099,	
	10176,	10421,	17938,	17954,	12126, 12127,	
	10431,	10441,	17960,	17966,	12130, 12131,	
	10450,	10604,	17972,	17978,	12188, 12189,	
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	10764,	10788,	18057,	18059,	12227, 12229,	
	10791,	10795,	18074,	18342,	14283, 14291, 14316	
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1952, 6115, 6117,	15004,	15005,	12423, 12465,
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20207, 20209,	20198, 20355, 20880		6116, 6498, 6651,
20652, 20882,	\hfilneg 9154, 9158		6761, 6767, 6773,
20954, 20956,	\hfuzz . 8286, 18774, 18776		6779, 6927, 7962,
21003, 21005,	\hintcolour 2412		8518, 8817, 8866,
21215, 21217,	\hintfont 2420,		10600, 11134,
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4702, 4705, 4706,	2482, 2488, 2494, 2551		15453, 15821,
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10765, 14732,	\HLON 2031		17368, 17375,
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14998, 14999,	... 8846, 12297,		18067, 18074, 18337
15000, 15003,	12328, 12405,		\hrulefill 28,



232, 537, 724, 958,	13710,	14447,	7489, 7658, 7661,
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16711,	16713,	17711,	17713,	16500,	16559,
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13018,	13035,	\hv@Center . . . 12065,	11993,	11997,
13553,	13611,	12076,	12003,	12078,
13624,	13639,	12178, 12206, 12259	12080,	12091,
13641,	13642,	\hv@figure . 12030, 12048	12093,	12103,
13708,	13715,	\hv@floatObject . . .	12105,	12121,
13718,	14538,	. . . . . 11991, 11995	12122,	12130,
14542,	14547,	\hv@floatType . 12021,	12131,	12138,
14638,	14642,	12030, 12048, 12266	12139,	12146,
14647,	14698,	\hv@Height 12003	12149,	12154,
14700,	14898,	\hv@label 11972	12157,	12162,
14904,	14908,	\hv@Left . . . 12006, 12074	12165,	12169,
15367,	15425,	\hv@longCap 11971	12172,	12183,
15436,	15441,	\hv@Right . . 12007, 12063	12184,	12192,
15442,	15443,	\hv@shortCap	12193,	12200,
15444,	15448,	. 11970, 12036, 12054	12201,	12208,
15463,	15580,	\hv@Top . 12089, 12125,	12210,	12221,
15603,	16650,	12145, 12187, 12219	12223, 12233, 12235	
16692,	16695,	\hv@Width . . 12001, 12024	\hvObjectWidth	
16750,	16757,	\hv@Zero . . . 11990, 12253	. . 11997, 12001,	
17140,	17142,	\hvAboveCaptionSkip	12005, 12006, 12007	
17143,	17720,	. . . . . 12169, 12172	\hvOBox 11991, 11995	
17722,	17723,	\hvBelowCaptionSkip	\hvSet@capAngle . . .	
18403,	18405,	. . . . . 12153, 12156	. . . . . 12024, 12043	
18406,	18672,	\hvCaptionBox . 12025,	\hvSet@capPos	
18708,	18720,	12042, 12084,	. . 12006, 12007,	
18835,	20443,	12086, 12097,	12074, 12145, 12161	
20445,	20835,	12099, 12109,	\hvSet@capVPos 12076,	
21178, 21188, 21192		12111, 12117,	12089, 12116,	
\ht@strip 14695, 14696,		12118, 12126,	12125, 12178,	
14697, 14698,		12127, 12134,	12187, 12206, 12219	
14699, 14702, 14704		12135, 12146,	\hvSet@capWidth 12001,	
\ht@viper		12147, 12153,	12003, 12008, 12009	
7456, 7461, 7484,		12156, 12162,	\hvSet@floatCapSep	
7487, 7492, 7497,		12163, 12170,	. . . . . 12082,	
7565, 7566, 7621,		12173, 12179,	12095, 12107,	
7622, 7623, 7627,		12180, 12188,	12120, 12129,	
7660, 7662, 7666, 7670		12189, 12196,	12137, 12182,	
\httplink 2520		12197, 12214,	12191, 12199,	
\Huge 5674, 6764,		12216, 12227,	12212, 12225, 12237	
6776, 6956, 6964,		12229, 12239, 12241	\hvSet@floatPos . . 12019	
8750, 8759, 10587,		\hvCapWidth . . . 11999,	\hvSet@objectAngle	
10595, 16609, 16617		12001, 12003,	. . . . . 11990, 11994	
\huge 557,		12005, 12009,	\hvSet@objectPos . .	
5528, 5530, 5673,		12011, 12026, 12044	. 12063, 12065, 12259	
6755, 6950, 8485,		\hvFloat 11973	\hvSet@rotAngle . . .	
8494, 8744, 10582,		\hvMaxCapWidth 11984,	. 11984, 12253, 12256	
16604, 16860,		11985, 12006,	\Hy@Acrobatmenu . . 12770	
16973, 17409,		12007, 12008, 12011	\Hy@backout 12797	
17522, 18108, 18221		\hvObjectBox	\Hy@BeginAnnot	
\hv@Bottom 12161		. . 11988, 11991,	. . 12653, 12673,	



12710, 12742, 12771	\Hy@pstringF	12287, 12289,
\Hy@bidipoem@footnotetext	.. 12674, 12675,	12669, 12802, 12805
..... 12526, 12535	12676, 12691,	\hyper@linkfile .. 12671
\Hy@bidipoem@LTRfootnotetext	12711, 12724, 12729	\hyper@linkstart ..
..... 12557, 12566	\Hy@pstringP 12712, 12729	.. 12279, 12283,
\Hy@bidipoem@RTLfootnotetext	\Hy@pstringURI	12287, 12289,
..... 12588, 12597	..... 12743, 12756	12669, 12798, 12805
\Hy@CleanupFile .. 12675	\Hy@raisedlink 12346,	\hyper@linkurl ... 12740
\Hy@colorlink . 12703,	12357, 12368,	\hyper@makecurrent 12826
12735, 12764, 12790	12379, 12394,	\hyper@nat@current 12799
\Hy@endAnnot	12409, 12469,	\hyper@natlinkbreak
.. 12660, 12706,	12507, 12540,	..... 12804
12738, 12767, 12793	12571, 12602, 12839	\hyper@natlinkend 12801
\Hy@endcolorlink . 12662	\Hy@saved@footnotemark	\hyper@natlinkstart
\Hy@footnote@currentHlabel	..... 12614, 12633	..... 12796
. 12382, 12397, 12412	\Hy@saved@footnotetext	\hypersetup 2366,
\Hy@footnote@currentHref	..... 12615, 12636	2374, 5784, 5843, 5860
..... 12344,	\Hy@SetNewWindow ..	\hyphenpenalty ... 6,
12347, 12355,	..... 12698, 12726	105, 201, 225,
12358, 12366,	\Hy@setpdfborder ..	616, 923, 1117,
12369, 12377,	..... 12684,	6413, 6590, 12871,
12380, 12383,	12718, 12749, 12778	12895, 15742,
12392, 12395,	\Hy@tabularx@hook .	16192, 16254, 16397
12398, 12407,	..... 12421, 12433	\HyRTL@saved@RTLfootnotetext
12410, 12413,	\Hy@temp@menu 12772, 12785	..... 12616, 12639
12456, 12494,	\Hy@xspace@end	
12527, 12558, 12589	.. 12669, 12705,	I
\Hy@gtmp .. 12432, 12437	12737, 12766, 12792	\i 3847,
\Hy@href@nextactionraw	\HyLTR@saved@LTRfootnotetext	3848, 3860, 3872, 3873
..... 12699,	..... 12617, 12642	\ialign ... 386, 18677,
12731, 12760, 12786	\HyOrg@maketitle ..	18715, 20652, 20840
\Hy@href@page 12694	. 12612, 12623, 12628	\IeC 13021
\Hy@linkcounter 8339, 8344	\HyOrg@TX@endtabularx	\if 354, 355, 356,
\Hy@linktoc 12275	..... 12420	358, 359, 360, 361,
\Hy@LT@currentHref	\hyper@@@anchor 12344,	362, 365, 366, 367,
..... 12827, 12838	12347, 12355,	391, 397, 1379,
\Hy@LT@LTRfootnotetext	12358, 12366,	1380, 1381, 1383,
..... 12455, 12464	12369, 12377,	1384, 1385, 1386,
\Hy@LT@RTLfootnotetext	12380, 12392,	1387, 1388, 1389,
..... 12493, 12502	12395, 12407,	1392, 1393, 1394,
\Hy@MakeRemoteAction	12410, 12467,	1417, 1418, 1419,
..... 12678	12470, 12505,	1421, 1422, 1423,
\Hy@maketitle@end .	12508, 12538,	1424, 1425, 2265,
. 12624, 12629, 12631	12541, 12569,	2271, 2274, 2277,
\Hy@maketitle@optarg	12572, 12600, 12603	2280, 3551, 3606,
..... 12622, 12627	\hyper@anchorend . 12840	3610, 3616, 3620,
\Hy@pstringD 12677, 12696	\hyper@anchorstart 12840	3653, 3736, 4123,
\Hy@pstringdef	\hyper@link 12668	7000, 7019, 7052,
.. 12676, 12677,	\hyper@linkend	7053, 7054, 11063,
12711, 12712, 12743	.. 12279, 12283,	11087, 11321,



12988, 13535,	\if@bidi@breqnloaded@	\if@bidi@fancyhdrloaded@
13537, 13539,	..... 13326	..... 13408
15241, 18684,	\if@bidi@calsloaded@	\if@bidi@fancyvrbloaded@
18718, 18723,	..... 13329	..... 13528
18810, 18811,	\if@bidi@captionloaded@	\if@bidi@floatloaded@
18812, 18813,	..... 13332	..... 13360
18814, 18815,	\if@bidi@colorloaded@	\if@bidi@floatrowloaded@
18816, 18818,	..... 13338	..... 13363
18819, 18820,	\if@bidi@colortblloaded@	\if@bidi@flowframloaded@
18821, 18822,	..... 13357	..... 13366
18825, 18826,	\if@bidi@croploaded@	\if@bidi@fontspecloaded@
18827, 20738, 13335 13519
20739, 20832,	\if@bidi@csdef . 1810,	\if@bidi@framedloaded@
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20857, 20858,	14845, 14901, 14977	\if@bidi@ftnrightloaded@
20859, 20860, 20861	\if@bidi@csmacro .. 2888 13372
\if@allcaps 745,	\if@bidi@csprimitive	\if@bidi@geometryloaded@
754, 762, 997,	..... 2898	..... 13387
1006, 1014, 1247,	\if@bidi@csundef ..	\if@bidi@graphicxloaded@
1256, 1264, 6534,	2572, 2575, 2578, 13384
6543, 6551, 6711,	2582, 2587, 2846,	\if@bidi@hvfloatloaded@
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15886, 15894,	4380, 8827, 8828,	\if@bidi@hyperrefloaded@
16016, 16025, 16033	8841, 8842, 21332 13402
\if@altsecnumformat	\if@bidi@cutedloaded@	\if@bidi@lettrineloaded@
. 16997, 17545, 18244	..... 13345	..... 13423
\if@bib@break@ 17007,	\if@bidi@cutwinloaded@	\if@bidi@linenoloaded@
17032, 17047,	..... 13342	..... 13426
17063, 17587,	\if@bidi@dblfnoteloaded@	\if@bidi@list@minipage@parbox
17612, 17627,	..... 13348	..... 1571,
17643, 18270,	\if@bidi@def 2858	20689, 20749,
18295, 18310, 18326	\if@bidi@defmacro .	20758, 20767,
\if@bibchapter ... 18983	.... 2881, 2882,	20776, 20789,
\if@bidi@amsmathloaded@	2890, 3067, 3086, 3230	20790, 20804, 20805
..... 13314	\if@bidi@defparam .	\if@bidi@list@minipage@parbox@not@nob
\if@bidi@amstextloaded@	..... 3088,	..... 1572,
..... 13317	3182, 3183, 3232	20697, 20751,
\if@bidi@amsthmloaded@	\if@bidi@defprimitive	20760, 20769, 20778
..... 13320	..... 2892	\if@bidi@listingsloaded@
\if@bidi@animateloaded@	\if@bidi@defprotected	..... 13429
..... 13323	..... 3095,	\if@bidi@longtableloaded@
\if@bidi@arabxetexloaded@	3191, 3192, 3243	..... 13477
..... 13522	\if@bidi@diagboxloaded@	\if@bidi@mdf@RTL ..
\if@bidi@arrayloaded@	..... 13351	..... 13670, 13677
..... 13456	\if@bidi@draftwatermarkloaded@	\if@bidi@mdf@framedloaded@
\if@bidi@arydshlnloaded@	..... 13411	..... 13393
..... 13480	\if@bidi@empheqlloaded@	\if@bidi@midfloatloaded@
\if@bidi@blank ....	..... 13414	..... 13396
... 2876, 3168, 3175	\if@bidi@fancyboxloaded@	\if@bidi@minitocloaded@
	..... 13405	..... 13489



\if@bidi@multicolloaded@	\if@bidi@tikzloaded@	19035, 19041,
..... 13483	..... 13447	19062, 19074, 19096
\if@bidi@multienumloaded@	\if@bidi@titlesecloaded@	\if@cfthaspart ... 19027
..... 13486	..... 13450	\if@chapterentrywithdots
\if@bidi@natbibloaded@	\if@bidi@titletocloaded@	..... 17818, 18501
..... 13492	..... 13453	\if@colour 2349
\if@bidi@newfloatloaded@	\if@bidi@tocbasicloaded@	\if@colouргreen 7757,
..... 13495	..... 13510	7786, 7855, 7881
\if@bidi@ontheoremloaded@	\if@bidi@tocbibindloaded@	\if@colouргrey . 7761,
..... 13399	..... 13516	7800, 7859, 7893
\if@bidi@overpicloaded@	\if@bidi@tocstyleloaded@	\if@colouрorange 7755,
..... 13417	..... 13513	7779, 7853, 7875
\if@bidi@patchable	\if@bidi@todonotes@figposition	\if@colouрlightred .. 7759,
..... 3055, 3056	.. 20236, 20334,	7793, 7857, 7887
\if@bidi@pdfencrypt	20339, 20346, 20352	\if@compatibility .
..... 1560, 1793	\if@bidi@todonotes@textdirection	RTL511, 663, 739,
\if@bidi@pdfmark	..... 20235,	907, 991, 1146,
..... 1563,	20269, 20309, 20343	1241, 6528, 6705,
1805, 1858, 1922	\if@bidi@undef	15871, 16010,
\if@bidi@pdfpagesloaded@	.... 2864, 2923,	19066, 19594, 20820
..... 13420	2964, 2975, 2994,	\if@contcw . 14403, 14432
\if@bidi@perpage@footnote	2998, 3002, 3006,	\if@conthang 14413
..... 1555, 1780	3016, 3020, 3024,	\if@contindent ... 14419
\if@bidi@pgfloaded@	3028, 3064, 3083, 3227	\if@DEBUG 2320
..... 13438	\if@bidi@void@mpfootins	\if@displaypagenumbers
\if@bidi@picinparloaded@	... 8825, 9093, 9101	..... 2528, 2531
..... 13441	\if@bidi@void@footins	\if@donumindex
\if@bidi@polyglossialoaded@	. 8824, 10456, 10463	..... 18984, 19003
..... 13525	\if@bidi@wrapfigloaded@	\if@dotocbib 18945
\if@bidi@pstricksloaded@	..... 13381	\if@dotocind 18991, 19008
..... 13435	\if@bidi@xcolorloaded@	\if@extrafootnotefeatures
\if@bidi@quotchaploaded@	..... 13354	..... 1568, 1766
..... 13444	\if@bidi@xltextraloaded@	\if@fcolmade ... 7379,
\if@bidi@rotatingloaded@	..... 13375	7438, 10802,
..... 13501	\if@bidi@xtabloaded@	10842, 10926,
\if@bidi@soulloaded@	..... 13474	11610, 11663,
..... 13462	\if@bidi@xunicodeloaded@	11692, 14574,
\if@bidi@stabularloaded@	..... 13378	14671, 20972, 21015
..... 13459	\if@capbreak	\if@ff@nwpg 10894
\if@bidi@subfigloaded@	. 17128, 17708, 18391	\if@filesw 2599
..... 13465	\if@captionabove ..	\if@firstcolumn 7330,
\if@bidi@subfigureloaded@	..... 17161,	7393, 7453, 7534,
..... 13468	17167, 17180,	7553, 7709, 7728,
\if@bidi@supertabularloaded@	17190, 17741,	10770, 10806,
..... 13471	17747, 17760,	11567, 11616,
\if@bidi@tblsloaded@	17770, 18424,	11704, 14486,
..... 13504	18430, 18443, 18453	14586, 14692,
\if@bidi@tabularyloaded@	\if@cftdopart 19040	20931, 20978, 21168
..... 13507	\if@cfthaschapter .	\if@firstdetailselement
	..... 19031,	..... 7922, 7924



<code>\if@firstfooterelement</code>	6607, 6631, 15777,	6668, 6752, 6763,
..... 7826, 7829	15801, 16149, 16173	6765, 6901, 6916,
<code>\if@flushend@auto@baseline@skip@openright</code>	.....	6919, 6920, 6947,
..... 7569	... 6019, 6968, 8763	6961, 6977, 6996,
<code>\if@hboxRconstruct</code>	<code>\if@ovb</code> 10746	7008, 7021, 7096,
..... 1559,	<code>\if@ovl</code> 10744	7137, 7138, 7142,
1861, 2810, 2816,	<code>\if@ovr</code> 10743	7143, 7145, 7152,
11320, 20696,	<code>\if@ovt</code> 10745	7158, 7177, 7180,
20720, 20751,	<code>\if@pboxsw</code> 20745	7181, 7187, 7192,
20760, 20769,	<code>\if@ref</code> 17951	7299, 7302, 7319,
20778, 20789,	<code>\if@restonecol</code>	7323, 8128, 8135,
20790, 20804, 20805	..... 597, 613,	8151, 8157, 8173,
<code>\if@ignore</code> ... 3403, 3405	862, 1114, 6410,	8180, 8287, 8367,
<code>\if@inlabel</code> 6999	6587, 6797, 15739,	8382, 8404, 8405,
<code>\if@inltxdoc</code> 18976	15994, 16453, 19023	8406, 8407, 8430,
<code>\if@insert</code> 7737	<code>\if@reversemargin</code> 21173	8450, 8453, 8454,
<code>\if@komalongtable</code> .	<code>\if@rjfield</code> 21212	8464, 8478, 8491,
. 17177, 17757, 18440	<code>\if@rl</code> 1553	8501, 8718, 8741,
<code>\if@LTRbibitems</code> . 87,	<code>\if@rl@footnote</code> ... 1570	8756, 8772, 8793,
290, 565, 700, 963,	<code>\if@rlmain</code> 1552	8796, 8801, 8809,
1213, 1566, 2546,	<code>\if@rot@twoside</code> 16654,	10554, 10569,
6480, 6668, 6977,	16659, 16669,	10572, 10573,
8501, 8772, 10609,	16699, 16705, 16717	10580, 10592,
12852, 14481,	<code>\if@RTL</code> 12,	10609, 10878,
15066, 15832,	13, 25, 87, 104,	11035, 11321,
16226, 16420,	107, 108, 109, 173,	11401, 11403,
16623, 17023,	180, 189, 207, 208,	11800, 11802,
17603, 18286, 18952	224, 227, 228, 229,	11805, 11806,
<code>\if@LTRmarginpar</code> 1565,	290, 305, 309, 506,	11807, 11813,
21197, 21202, 21206	523, 526, 527, 550,	11815, 11832,
<code>\if@mainmatter</code> . 5991,	565, 617, 630, 641,	11835, 11842,
6754, 6949, 8743,	642, 647, 658, 683,	11851, 11857,
15616, 17548,	686, 687, 700, 868,	11861, 11864,
17564, 17572, 17580	869, 875, 885, 888,	11878, 11903,
<code>\if@minipage</code> . 4736, 14472	889, 902, 924, 963,	11910, 12075,
<code>\if@mparswitch</code> ... 21170	1118, 1124, 1125,	12177, 12279,
<code>\if@newlist</code> ... 10942,	1130, 1141, 1167,	12287, 12669,
10974, 21226, 21301	1170, 1171, 1189,	12705, 12737,
<code>\if@nobreak</code> 4324,	1213, 1352, 1353,	12766, 12792,
11528, 13681, 15677	1464, 1465, 1478,	12798, 12802,
<code>\if@nonlatin</code>	1489, 1553, 1586,	12805, 12852,
.. 336, 341, 1554,	1860, 1867, 2546,	12870, 12873,
1778, 2822, 2828,	2786, 2792, 5647,	12874, 12875,
7035, 7037, 13665	5648, 5765, 5766,	12890, 12901,
<code>\if@noparlist</code> . 6244, 6357	5767, 6414, 6420,	12902, 12936,
<code>\if@noskipsec</code> .. 6998,	6421, 6426, 6437,	12940, 12943,
11529, 13682, 15678	6460, 6463, 6464,	12948, 13069,
<code>\if@oldtoc</code> . 651, 677,	6480, 6591, 6597,	13076, 13084,
879, 895, 1134,	6598, 6603, 6614,	13103, 13113,
1161, 6430, 6454,	6637, 6640, 6641,	13588, 13673,



13756,	13764,	16995,	16996,	20129,	20189,
13955,	14281,	17023,	17081,	20194,	20217,
14362,	14363,	17082,	17083,	20224,	20284,
14364,	14365,	17085,	17156,	20287,	20371,
14366,	14367,	17344,	17353,	20406,	20414,
14446,	14448,	17544,	17603,	20441,	20442,
14481,	14726,	17661,	17662,	20445,	20446,
14730,	14731,	17663,	17665,	20448,	20485,
14738,	14743,	17736,	17917,	20489,	20542,
14750,	14755,	17924,	18009,	20547,	20593,
15066,	15145,	18015,	18043,	20594,	20605,
15165,	15180,	18052,	18243,	20606,	20609,
15194,	15345,	18286,	18344,	20613,	20690,
15395,	15470,	18345,	18346,	20698,	20704,
15524,	15525,	18348,	18419,	20710,	20723,
15528,	15532,	18594,	18597,	20791,	20792,
15564,	15565,	18627,	18647,	20794,	20797,
15566,	15611,	18845,	18887,	20800,	20804,
15613,	15619,	18904,	18924,	20805,	20806,
15630,	15632,	18927,	18932,	20807,	20809,
15643,	15645,	18936,	18937,	20811,	20812,
15656,	15658,	18952,	19048,	20817,	20864,
15667,	15669,	19049,	19050,	20865,	20871,
15686,	15706,	19058,	19079,	20876,	21197,
15722,	15723,	19080,	19081,	21202,	21206,
15743,	15756,	19089,	19102,	21214,	21215,
15767,	15768,	19103,	19104,	21216,	21217,
15773,	15784,	19112,	19119,	21312,	21315,
15807,	15810,	19120,	19121,	21323,	21333,
15811,	15832,	19129,	19136,	21431, 21441, 21447	
16127,	16128,	19137,	19138,	\if@RTL@footnote . .	
16139,	16140,	19146,	19153,	. . . . . 36, 239,	
16145,	16156,	19154,	19155,	1570, 1863, 5015,	
16179,	16182,	19163,	19170,	8891, 8932, 9184,	
16183,	16193,	19171,	19172,	9229, 9293, 9335,	
16206,	16226,	19180,	19187,	9396, 9441, 9505,	
16255,	16371,	19188,	19189,	9550, 9614, 9658,	
16386,	16389,	19197,	19205,	9723, 9767, 9832,	
16390,	16395,	19206,	19207,	9877, 9941, 9986,	
16396,	16420,	19215,	19224,	10050, 10095,	
16556,	16571,	19225,	19226,	10248, 10269,	
16574,	16575,	19234,	19244,	10310, 10365,	
16602,	16614,	19245,	19246,	10374, 11215,	
16623,	16734,	19254,	19279,	11264, 11304, 11305	
16736,	16740,	19280,	19281,	\if@RTL@bibitems . 87,	
16744,	16746,	19289,	19329,	290, 565, 700, 963,	
16751,	16755,	19330,	19331,	1213, 1567, 2546,	
16758,	16762,	20009,	20071,	6480, 6668, 6977,	
16764,	16768,	20072,	20073,	8501, 8772, 10609,	
16795,	16804,	20079,	20082,	12852, 14481,	



15066, 15832,	\if@star 15600	16958, 17426,
16226, 16420,	\if@tab@rl 1558	17439, 17507,
16623, 17023,	\if@tablecaptionabove	18125, 18138,
17603, 18286, 18952	. 17208, 17788, 18471	18206, 20397, 21240
\if@RTLcolumnfootnotes	\if@tempswa 4166, 4211,	\if@vihproof 14711, 14717
. . . . 1569, 9154,	8024, 8081, 19723	\ifadl@inactive . . . 1366
9155, 9158, 9159,	\if@thmmarks . . 15128,	\ifadl@usingarypkg 1369
9194, 9246, 9302,	15132, 15149, 15153	\ifAM@output 15267
9351, 9406, 9458,	\if@titlecentered .	\ifAM@survey 15245
9515, 9567, 9624,	. . . . . 1334, 16107	\ifartopt 14382
9676, 9733, 9785,	\if@titlepage . . 404,	\ifbidi@autofootnoterule
9842, 9894, 9951,	618, 726, 925, 978,	. . . . . 11041,
10003, 10060, 10112	1177, 1228, 6799,	11276, 11290, 11304
\if@RTLmain 1552, 1585,	8524, 8617, 10624,	\ifbidi@in@label . .
1604, 1859, 1866,	15744, 15858,	. . . . . 3615, 3617
1885, 7195, 7218,	15995, 16194,	\IfbidiPackageVersion
7241, 7264, 7480,	16257, 16454,	. . . . . 1539
7657, 8116, 8241,	16829, 17378, 18077	\IfbidiPackageVersionBefore
8244, 8258, 8276,	\if@tocstyle@penalties	. . . . . 1533
11040, 11928,	. . . . . 19992, 20101	\IfbidiPackageVersionLater
11938, 11955,	\if@todonotes@authorgiven	. . . . . 1527
11961, 13121,	. . . . . 20260,	\ifblendcolors 20453,
14683, 14843,	20271, 20296, 20313	20474, 20496, 20523
21021, 21242,	\if@todonotes@disabled	\ifbool 13695, 13704
21248, 21277, 21293	. . . . . 20254, 20255	\ifcase 1401, 1428, 1432,
\if@RTLmarginpar 1564,	\if@todonotes@dviStyle	1436, 1440, 1466,
21197, 21202, 21206	. . . . . 20257, 20291	1655, 1661, 1667,
\if@RTLtab . 355, 356,	\if@ttb@rotate . . . 11034	1673, 1679, 1685,
372, 375, 397, 399,	\if@twocolumn . . . 98,	1697, 1703, 1709,
1360, 1361, 1380,	218, 451, 584,	1716, 1730, 1737,
1381, 1418, 1419,	600, 627, 634,	1747, 7110, 12275,
1558, 2184, 2188,	802, 849, 934, 945,	13606, 18918,
2189, 2798, 2804,	1054, 1101, 1186,	19299, 20061,
7056, 7058, 7079,	1193, 1304, 1605,	20131, 20241,
7086, 7108, 7109,	1611, 5945, 6397,	20249, 20473,
7122, 7133, 13536,	6574, 6784, 6846,	20522, 20908, 20909
13538, 13652,	8567, 8664, 10667,	\ifcat 1596, 1877, 3501, 3502
13655, 18662,	11706, 12864,	\ifconvertcolorsU .
18666, 18667,	14345, 15726,	. . . . . 20459,
18684, 18692,	15753, 15760,	20475, 20502, 20524
18698, 18723,	15934, 15981,	\ifcpoddpage 4513
18811, 18812,	16075, 16203,	\ifcsname . 2841, 2847,
20649, 20824,	16210, 16319,	2981, 3424, 3940,
20828, 20829,	16440, 16501,	3955, 4169, 4177,
20849, 20857, 20858	16908, 17457,	15090, 15100,
\if@sectionentrywithdots	18156, 18978,	15114, 20016,
. 17238	20893, 21167, 21326	20017, 20026,
\if@sentedir 1862	\if@twoside	20037, 20041,
\if@specialpage . . .	. . . 5936, 10901,	20051, 20063,
. 10897, 21237	16877, 16890,	20117, 20145,



20146, 20154,	14447, 14508,	20848, 21078, 21122
20158, 20162,	14516, 14518,	\ifhv@fbox ... 12077,
20166, 20170,	14608, 14616,	12083, 12090,
20174, 20178, 20182	14618, 14693,	12096, 12102,
\ifdefined ... 2859, 2865	14704, 14788,	12108, 12117,
\ifdefining 3621	14796, 14802,	12121, 12126,
\ifdfn@allowcbreak	14819, 14827,	12130, 12134,
..... 7977, 7998	15295, 15342,	12138, 12152,
\ifdfn@ruleboth 8035, 8089	15367, 15425,	12168, 12179,
\ifdfn@trysingle ..	15436, 15443,	12183, 12188,
..... 8016, 8073	15448, 15463,	12192, 12196,
\ifdim 1454, 1455,	15576, 15601,	12200, 12207,
1528, 1534, 1540,	17115, 17123,	12213, 12220,
4749, 5316, 6085,	17695, 17703,	12226, 12232, 12238
6122, 6124, 6183,	17955, 17961,	\ifhv@nonFloat 12020,
6184, 6186, 6192,	17967, 17973,	12027, 12045,
6232, 6245, 6252,	17979, 17985,	12066, 12258, 12260
6333, 6335, 6348,	17991, 17997,	\ifhv@onlyText
6350, 6358, 7029,	18003, 18378,	..... 12028, 12046
7473, 7518, 7530,	18386, 18709,	\ifhv@useOBox 11991, 11995
7543, 7546, 7548,	19634, 19648,	\ifHy@href@ismap . 12757
7578, 7582, 7583,	19653, 20027,	\ifHy@hyperfootnotes
7597, 7622, 7647,	20052, 20118,	.. 8829, 8843, 12294
7692, 7705, 7718,	20374, 20376,	\ifHy@nesting
7721, 7723, 7971,	20378, 20380,	.. 12343, 12354,
7992, 8012, 8021,	20381, 20382,	12365, 12376,
8048, 8052, 8069,	20384, 20424,	12391, 12406,
8078, 8100, 8104,	20431, 21179, 21311	12466, 12504,
8999, 9004, 9011,	\ifdofullc@p	12537, 12568, 12599
9016, 9023, 9028,	. 17118, 17698, 18381	\ifHy@pdfa ... 12683,
10224, 10228,	\iffalse	12717, 12748, 12777
10232, 10286,	2730, 2731, 2733,	\ifin@ 4185
10290, 10294,	11528, 11529,	\ifin@label 3623
10732, 10734,	13231, 13681,	\ifinner .. 2255, 4980,
10877, 11413,	13682, 15677, 15678	5024, 5068, 11416,
11421, 11437,	\IfFileExists .. 3880,	20366, 21084, 21128
11438, 11468,	3895, 4493, 5965, 6030	\ifL@grid 13042
11476, 11489,	\iffootdir@debug ..	\ifL@realh 12978
11504, 11537,	..... 11049, 11053	\iflatin 2821
11538, 11820,	\ifGin@grid . 15181, 15194	\ifLettrineImage . 12972
11827, 11866,	\ifGin@iso 11917	\ifLettrineOnGrid 12973
11873, 11918,	\ifhbox 10166, 10175, 10179	\ifLettrineRealHeight
12008, 12146,	\ifhmode .. 2249, 4974,	..... 12974
12162, 13027,	5018, 5062, 5305,	\ifLettrineSelfRef 12975
13041, 13047,	5311, 7143, 7145,	\ifLtoR 2791
13180, 13589,	7152, 7158, 7177,	\ifLtoRhboxconstruct
13600, 13639,	18880, 20446,	..... 2815
13642, 14352,	20448, 20485,	\ifLtoRtable 2803
14395, 14402,	20489, 20542,	\ifmaskcolors . 20463,
14406, 14408,	20804, 20805,	20474, 20506, 20523



\ifmmode	7514, 7524, 7679,	16367, 16381,
1850, 7137, 7142,	7688, 7698, 7912,	16407, 16409,
10847, 10857,	8445, 8459, 8472,	16411, 16502,
11800, 11802,	8481, 8568, 8665,	16551, 16566,
11805, 11806,	8714, 8728, 8730,	16589, 16591,
11807, 11813,	8732, 8742, 9160,	16593, 16603,
11815, 11832,	10549, 10564,	16897, 16909,
11835, 11842,	10581, 10668,	17446, 17458,
11851, 11857,	10718, 10720,	17547, 17563,
11861, 11864,	10722, 11010,	17571, 17579,
11878, 11903,	11012, 11014,	18145, 18157,
11910, 12654,	11023, 11025,	18754, 18802,
12666, 12669,	11027, 11173,	18803, 18804,
12705, 12737,	11276, 11290,	18805, 18807,
12766, 12792,	11304, 11537,	18909, 18911,
15278, 15336,	11539, 11727,	19030, 19034,
15568, 15604,	12656, 12661,	19076, 19095,
16734, 16736,	12892, 13034,	19117, 19134,
16740, 16744,	13151, 13154,	19151, 19168,
16746, 16751,	13162, 13165,	19185, 19203,
16755, 16758,	13234, 13550,	19222, 19242,
16762, 16764,	13551, 13634,	19277, 19460,
16768, 20441,	13635, 14346,	19461, 19568,
20445, 20740, 20815	14379, 14505,	19569, 19593,
\ifNAT@openbib . . . 15069	14535, 14605,	19603, 19991,
\ifnonlatin 2827	14635, 14724,	19996, 20014,
\ifnum 3, 137, 143, 198,	14736, 14748,	20187, 20405,
304, 346, 347, 348,	14809, 14851,	20671, 20854,
349, 351, 452, 501,	14857, 14932,	20855, 20869,
518, 544, 553, 637,	14950, 15109,	20924, 21175,
653, 671, 803, 864,	15119, 15355,	21197, 21320, 21321
897, 915, 1055,	15361, 15373,	\ifodd 2266, 5936, 8249,
1120, 1136, 1154,	15376, 15377,	8266, 8326, 10902,
1305, 1371, 1372,	15378, 15380,	11948, 11954,
1373, 1374, 1376,	15381, 15382,	20397, 21171, 21241
1415, 1416, 1775,	15383, 15392,	\ifoddpage 4507
1776, 2281, 2617,	15414, 15419,	\ifonelinecaptions
3475, 3503, 3505,	15430, 15441,	. 17089, 17669, 18352
3513, 3515, 3708,	15442, 15448,	\ifpgfrememberpicturepositiononpage
3718, 3816, 3822,	15452, 15455,	. . . . . 15291
3847, 3862, 3868,	15456, 15562,	\ifpoem@started 6179,
6205, 6416, 6432,	15563, 15570,	6185, 6332, 6339, 6353
6448, 6512, 6514,	15615, 15763,	\ifprimitive . . 2893, 2900
6516, 6593, 6609,	15779, 15795,	\ifPst@shift@star 15592
6625, 6689, 6691,	15853, 15855,	\ifr@ggedbottom . . 15542
6693, 6753, 6847,	15857, 15935,	\ifrot@messages . . .
6896, 6911, 6934,	16076, 16135,	. . . . . 16704, 16716
6936, 6938, 6948,	16151, 16167,	\ifRtoL 2785
7030, 7297, 7305,	16218, 16220,	\ifRtoLhboxconstruct
7310, 7317, 7505,	16222, 16320,	. . . . . 2809



\ifRtoLtable	2797	19868, 19871,	\ifTX@	18744
\ifshowgrid	15570	19880, 19881,	\ifvbox	10477, 11774
\ifshr@king	14975, 14990	19882, 19885,	\ifvmode	4324, 4710,
\ifshr@kingsaved	14975, 14990	19888, 19908,		4713, 4716, 4719,
		19911, 19914,		13710, 14778,
\ifsomething	3746	19934, 19938,		15139, 15159, 18696
\ifstr	19342, 19343,	19943, 19955,	\ifvoid	7365, 7381, 7424,
	19344, 19345,	19958, 19962, 19972		7440, 7459, 7467,
	19346, 19347,	\ifstrstart		7500, 7625, 7636,
	19348, 19349,	. 19739, 19771, 19845		7674, 7975, 7996,
	19350, 19365,	\iftagsleft@		8007, 8032, 8064,
	19366, 19367,	\iftest		8086, 9049, 9050,
	19368, 19370,	\ifthenelse		9058, 9064, 9088,
	19371, 19372,	2500, 2517, 2521,		9089, 9105, 9117,
	19375, 19378,	2525, 2533, 4406,		10517, 10532,
	19387, 19388,	4466, 4468, 4471,		11339, 11497,
	19389, 19392,	4475, 4478, 4481,		11518, 11673,
	19395, 19414,	4506, 4563, 4582,		11678, 11696,
	19415, 19416,	4597, 4602, 4608,		11698, 11707,
	19418, 19419,	4617, 4628, 4634,		11717, 11737,
	19420, 19423,	4640, 4641, 4648,		11738, 11742,
	19426, 19435,	4655, 4657, 4663,		11753, 11760,
	19436, 19437,	4680, 4698, 4700,		12833, 12837,
	19440, 19443,	4704, 4722, 4723,		13652, 13726,
	19497, 19498,	4726, 4727, 4762,		14763, 14918,
	19499, 19500,	4771, 4782, 4792,		14920, 14934,
	19501, 19502,	4841, 4956, 5180,		14935, 14979,
	19503, 19504,	5198, 5199, 5217,		14983, 14987,
	19505, 19520,	5218, 5236, 5237,		15470, 15536,
	19521, 19522,	5268, 5269, 5387,		15538, 15543,
	19523, 19525,	5392, 5416, 5421,		20547, 21026,
	19526, 19527,	5445, 5450, 5527,		21041, 21042, 21065
	19530, 19533,	5531, 5579, 5792,	\ifWF@float	20379, 20393
	19542, 19543,	5838, 5847, 5855,	\ifx	115, 134, 136, 151,
	19544, 19547,	5882, 5929, 5998,		155, 159, 166, 787,
	19550, 19748,	6009, 7816, 7822,		791, 1039, 1043,
	19749, 19750,	7839, 7842, 7843,		1289, 1293, 1784,
	19751, 19752,	7844, 7845, 7846,		1785, 2132, 2138,
	19753, 19754,	7932, 7937, 7940,		2144, 2159, 2190,
	19755, 19756,	7941, 7942, 7943,		2242, 2245, 2506,
	19799, 19800,	7944, 7947, 7951,		2507, 2508, 2510,
	19801, 19802,	10983, 10998,		2610, 2639, 2642,
	19804, 19805,	15235, 16658, 16703		2662, 2666, 2686,
	19806, 19809,	\iftocstyle@autolength		2690, 2705, 2709,
	19812, 19821,	. . . . .		2779, 2848, 2866,
	19822, 19823,	. . . . .	\iftocstyle@indentnotnumbered	2944, 3132, 3148,
	19826, 19829,	. . . . .		3481, 3487, 3488,
	19859, 19860,	20081, 20128	\iftrue	3525, 3526, 3527,
	19861, 19863,	4921, 4934, 4947		3528, 3538, 3544,
	19864, 19865,	\ifttl@label		3569, 3574, 3579,
		18885		



3584, 3590, 3595,	15099,	15106,	20724,	20727,
3775, 3885, 3909,	15112,	15251,	20734,	20895,
3924, 3989, 4001,	15263,	15533,	20903,	20942,
4033, 4044, 4079,	15585,	15626,	20989,	21254,
4085, 4096, 4097,	15639,	15652,	21255, 21257, 21258	
4108, 4138, 4147,	15919,	15923,	\ifXC@tst . 20477, 20526	
4148, 4168, 4183,	16060,	16064,	\ignorespaces ... 46,	
4193, 4207, 4214,	16791,	16817,	60, 76, 122, 249,	
4226, 4242, 4297,	16824,	16844,	263, 278, 336, 623,	
4308, 5250, 6074,	16849,	16856,	632, 930, 1182,	
6095, 6256, 6307,	16862,	16886,	1191, 3314, 3794,	
6312, 6314, 7341,	16957,	16961,	3810, 3812, 3818,	
7404, 8044, 8096,	16969,	16975,	3821, 3824, 3828,	
8791, 8807, 8811,	16987,	17011,	3833, 4733, 4740,	
10780,	17073,	17078,	4741, 4750, 5337,	
11170,	17340,	17366,	5355, 5373, 5409,	
11582,	17373,	17393,	5438, 5467, 5732,	
11669,	17398,	17405,	6156, 6167, 6327,	
11888,	17411,	17435,	6328, 6475, 6663,	
11895,	17506,	17510,	7033, 7039, 7152,	
11984,	17518,	17524,	7158, 7166, 7173,	
12001,	17536,	17590,	8796, 8810, 8874,	
12006,	17653,	17658,	8880, 8886, 11227,	
12024,	17913,	17941,	11244, 11260,	
12031,	17942,	17943,	11287, 11301,	
12036,	17944,	17945,	11315, 11930,	
12049,	17946,	17947,	11934, 11939,	
12054,	17948,	17952,	11944, 12924,	
12065,	17958,	17964,	12943, 13665,	
12076,	17970,	17976,	14469, 14476,	
12116,	17982,	17988,	15749, 15758,	
12145,	17994,	18000,	16199, 16208,	
12178,	18009,	18039,	16734, 16744,	
12206,	18065,	18072,	16762, 17098,	
12253,	18092,	18097,	17119, 17124,	
12272,	18104,	18110,	17129, 17134,	
12314,	18134,	18205,	17152, 17678,	
12632,	18209,	18217,	17699, 17704,	
12638,	18223,	18235,	17709, 17714,	
12685,	18273,	18336,	17732, 18015,	
12719,	18341,	18704,	18361, 18382,	
12750,	18920,	19262,	18387, 18392,	
12917,	19617,	19621,	18397, 18415,	
12980,	19625,	19722,	20485, 20489,	
13191,	20003,	20074,	20716, 20755,	
13196,	20086,	20094,	20764, 20773, 20782	
13555,	20111,	20136,	\iii 3854	
14497,	20203,	20208,	\ilg 15364, 15387	
14865,	20210,	20454,	\immediate ... 4321, 6319	
14873,	20497,	20614,	\in@ 4184	



<code>\includegraphics ..</code>	21389, 21390,	10070, 10309,
.... 2541, 7818,	21391, 21392,	10327, 10339,
7949, 15169, 15237	21393, 21394,	11214, 11231,
<code>\includemedia</code>	21395, 21396,	11247, 11697,
. 13930, 14260, 14261	21397, 21398,	11699, 14919, 14921
<code>\includepdf</code> 15228	21399, 21400,	<code>\insert@column</code>
<code>\indentedwidth</code> 8809	21401, 21402,	.... 1403, 1404,
<code>\index</code> 3732,	21403, 21404,	1405, 1406, 1408,
3733, 10955, 21265	21405, 21406,	1409, 1469, 1471,
<code>\indexname</code> 591,	21407, 21408,	1472, 1474, 1475,
592, 593, 607,	21409, 21410,	1476, 7113, 7115,
608, 856, 857,	21411, 21412,	7116, 7118, 7119, 7120
1108, 1109, 5752,	21413, 21414,	<code>\insertpenalties ..</code>
5753, 6404, 6405,	21415, 21416,	.... 11178, 11727
6581, 6582, 6791,	21417, 21418,	<code>\int</code> 13984, 14031, 14032,
6792, 6793, 15733,	21419, 21420,	14036, 14114,
15734, 15988,	21421, 21422,	14202, 14205,
15989, 16447,	21424, 21425,	14206, 14217,
16448, 16449,	21426, 21427,	14255, 14293,
18987, 18988,	21428, 21429,	14318, 15205, 15207
18989, 18993,	21452, 21453,	<code>\interfootnotelinepenalty</code>
18994, 18995,	21454, 21455,	.. 39, 53, 69, 242,
18998, 18999,	21456, 21457,	256, 271, 9080,
19005, 19006,	21458, 21459,	11218, 11235, 11251
19010, 19011,	21460, 21461,	<code>\interlinepenalty</code> 39,
19012, 19015, 19016	21462, 21463,	53, 69, 242, 256,
<code>\indexspace</code> 5768	21464, 21465,	271, 551, 615,
<code>\input</code> 1652, 1653, 1767,	21466, 21467,	640, 867, 922,
1856, 1932, 2353,	21468, 21469,	1116, 1123, 5644,
5966, 6031, 21325,	21470, 21471,	6412, 6419, 6589,
21335, 21336,	21472, 21473, 21474	6596, 6760, 6955,
21337, 21338,	<code>\input@path</code> 13951	6963, 7503, 7512,
21339, 21340,	<code>\InputIfFileExists</code>	7522, 7677, 7686,
21341, 21342,	.... 3879,	7696, 8479, 8492,
21343, 21344,	3883, 3892, 12991	8749, 8758, 9080,
21345, 21346,	<code>\insert</code> 35, 49, 65, 238,	10586, 10594,
21347, 21348,	252, 267, 1602,	11218, 11235,
21349, 21350,	1883, 7966, 7982,	11251, 14728,
21351, 21352,	7987, 8003, 8050,	14740, 14752,
21353, 21354,	8056, 8102, 8108,	15619, 15741,
21355, 21356,	8890, 8904, 8918,	15766, 16138,
21357, 21358,	9184, 9194, 9204,	16191, 16253,
21359, 21360,	9293, 9302, 9311,	16608, 16616,
21361, 21363,	9396, 9406, 9416,	18877, 18918,
21364, 21368,	9505, 9515, 9525,	19052, 19083,
21373, 21380,	9614, 9624, 9634,	19106, 19123,
21381, 21382,	9723, 9733, 9743,	19140, 19157,
21383, 21384,	9832, 9842, 9852,	19174, 19191,
21385, 21386,	9941, 9951, 9961,	19209, 19228,
21387, 21388,	10050, 10060,	19248, 19283,



19616, 20077,	5541, 5548, 5583,	6932, 7111, 7116,
20191, 20372, 20873	5590, 5597, 5604,	7138, 7961, 7962,
\intermath@penalty 7032	5611, 5915, 5916, 5917	8370, 8377, 8385,
\intextsep . 20432, 20434		8392, 8431, 8435,
\InTheoType	J	8517, 8519, 8521,
. . . 8300, 15129,	\j 3868, 3869, 3873	8523, 8816, 8818,
15131, 15150, 15152	\jua@ht 14524,	8820, 8822, 8865,
\invoice@name 17978	14531, 14624,	8866, 8992, 8993,
\ior . . 14034, 14035, 14039	14631, 14700, 14707	10599, 10601,
\iow 15206	\jua@pr 14507,	10603, 10605,
\isempty . . 4582, 5180,	14537, 14607, 14637	10743, 10744,
5387, 5392, 5416,	\jua@sar 14506,	10745, 10987,
5421, 5445, 5450,	14536, 14578,	11130, 11132,
5838, 5847, 5855, 5882	14606, 14636, 14675	11133, 11134,
\isodd 16658, 16703	\jua@sk . 14505, 14535,	11135, 11136,
\isSC@ODD 18595,	14578, 14605,	11168, 11386,
18596, 18598,	14635, 14675, 14708	11450, 11828,
18599, 21432,	\justifying 4489,	11874, 12878,
21434, 21436, 21438	4559, 5129, 15664	12880, 12881,
\isundefined	\JustifyingParfillskip	12882, 12952,
. . . . 4792, 4841,	. . . . . 15670	12954, 12956,
7816, 7822, 7839,	\JustifyingParindent	12958, 13665,
7842, 7843, 7844,	. . . . . 4461,	14787, 14846,
7845, 7846, 7937,	5132, 5691, 15671	14847, 14891,
7940, 7941, 7942,		14893, 14894,
7943, 7944, 7947, 7951	K	14895, 15542,
\item 102,	\keepthetitle 14328	15553, 15556,
222, 596, 611, 860,	\kern . . . 27, 29, 30, 31,	15583, 15599,
943, 1112, 5724,	231, 233, 234, 235,	15819, 15820,
5732, 5737, 5758,	336, 532, 534, 536,	15822, 15825,
6408, 6585, 6796,	538, 716, 717, 719,	15826, 15828,
10852, 10867,	722, 723, 725, 737,	15869, 16008,
12868, 15737,	952, 954, 957, 959,	16242, 16243,
15992, 16452, 19022	989, 1196, 1197,	16245, 16248,
\itemindent 5719,	1199, 1202, 1203,	16249, 16251,
5720, 5728, 20678	1205, 1239, 1467,	16399, 16401,
\itemsep 4455,	1472, 2063, 2064,	16403, 16405,
5665, 5704, 5718	2065, 2066, 2067,	16581, 16583,
\itemx 14994	2068, 2069, 2070,	16585, 16587,
\itemxox 15029	2074, 2075, 2122,	16816, 16820,
\itemxoxx 15039	2124, 2125, 4931,	16823, 16826,
\itemxx 14997	4932, 4942, 4943,	16827, 17072,
\itemxxo 15034	4945, 5410, 5411,	17075, 17077,
\itemxxox 15046	5439, 5440, 5468,	17080, 17365,
\itemxxx 15002	5469, 6496, 6497,	17369, 17372,
\itemxxxo 15053	6499, 6502, 6503,	17375, 17376,
\itemxxxx 15009	6505, 6526, 6649,	17652, 17655,
\itemxxxxx 15018	6650, 6652, 6655,	17657, 17660,
\itshape . . 2040, 2513,	6656, 6658, 6703,	17933, 17935,
5528, 5530, 5534,	6926, 6928, 6930,	17937, 17939,



18064, 18068,
 18071, 18074,
 18075, 18335,
 18338, 18340,
 18343, 18631,
 18637, 18891,
 20407, 20411,
 20417, 20420,
 20442, 20625,
 20628, 20630, 21194
 \keys ... 13747, 13943,
 14037, 14276, 14277
 \keywords 324
 \kill 13552
 \KOMAClassName 16898,
 17215, 17447,
 17795, 18146, 18478
 \KV@do 13008, 13013
 \KV@prefix . 13006, 13011

 L
 \l 8326, 8342,
 8345, 8351, 8354,
 8356, 8357, 8360,
 8361, 8364, 8367,
 8368, 8369, 8374,
 8375, 8376, 8382,
 8383, 8384, 8389,
 8390, 8391, 8400,
 8403, 8411, 13755,
 13757, 13763,
 13765, 13771,
 13772, 13773,
 13774, 13775,
 13776, 13777,
 13778, 13779,
 13780, 13781,
 13783, 13784,
 13786, 13787,
 13788, 13795,
 13796, 13797,
 13799, 13801,
 13804, 13805,
 13812, 13822,
 13823, 13824,
 13825, 13826,
 13827, 13828,
 13829, 13830,
 13831, 13832,
 13833, 13834,

13835, 13836,
 13840, 13841,
 13842, 13844,
 13846, 13849,
 13850, 13852,
 13853, 13854,
 13863, 13873,
 13874, 13875,
 13876, 13877,
 13878, 13879,
 13880, 13881,
 13887, 13889,
 13890, 13891,
 13894, 13896,
 13903, 13905,
 13904, 13905,
 13907, 13909,
 13914, 13916,
 13918, 13926,
 13937, 13938,
 13953, 13954,
 13955, 13956,
 13974, 13994,
 14002, 14007,
 14021, 14026,
 14030, 14031,
 14032, 14034,
 14035, 14036,
 14039, 14043,
 14045, 14046,
 14047, 14048,
 14049, 14050,
 14051, 14053,
 14054, 14055,
 14056, 14058,
 14059, 14060,
 14062, 14063,
 14064, 14067,
 14068, 14069,
 14072, 14105,
 14107, 14110,
 14135, 14137,
 14169, 14173,
 14185, 14186,
 14232, 14242,
 14248, 14260,
 14261, 14280,
 14281, 14282,
 14283, 14284,
 14285, 14286,

14287, 14288,
 14323, 14324,
 15210, 15212, 15221
 \l@ 19293
 \L@ante 12967, 13057, 13091
 \l@chapter 6455, 6469,
 6632, 6646, 6910,
 10563, 15802,
 15816, 16174,
 16188, 16380,
 16565, 18942,
 18943, 19075, 20156
 \l@color ... 12996, 12997
 \l@figure 5652,
 5653, 19184, 20184
 \L@Findent
 . 12968, 13059, 13092
 \L@first 13031, 13033,
 13035, 13037,
 13041, 13047,
 13049, 13051,
 13053, 13057,
 13058, 13060,
 13061, 13070, 13072
 \L@gridfalse 12973
 \L@gridtrue 12973
 \L@hang 12964, 13056
 \L@imagefalse 12972
 \L@imagetrue 12972
 \l@initial 12961
 \L@lbox . 13010, 13017,
 13018, 13019,
 13055, 13056, 13091
 \l@LOKeys 13001,
 13003, 13008, 13013
 \L@lraise 13032,
 13033, 13038, 13091
 \L@next . 13063, 13064,
 13077, 13079, 13082
 \l@ngrel@x 2944, 2945, 2947
 \L@Nindent ... 12969,
 13062, 13064,
 13066, 13079, 13081
 \L@novskip
 . 12971, 13041, 13045
 \L@oversize
 . 12965, 13022, 13027
 \l@paragraph 19150, 20172
 \L@parshape
 .. 13070, 13072,



17538, 18112,	6358, 6359, 7029,	11862, 11882,
18118, 18120,	7571, 7572, 7576,	12672, 12709,
18136, 18225,	7577, 7579, 7586, 7591	12741, 12884,
18232, 18234, 18237	\lastskip@a	12903, 13702,
\large 418,	. . . 7574, 7578, 7582	13934, 14267,
424, 489, 495, 509,	\lastskip@b 7572, 7574,	14729, 14741,
661, 751, 761, 836,	7576, 7578, 7582, 7583	14753, 15469,
842, 905, 1003,	\lastskip@d	15550, 15555,
1013, 1088, 1094,	7571, 7577, 7579,	15601, 15622,
1144, 1253, 1263,	7585, 7586, 7589,	15772, 15786,
1339, 1345, 1349,	7591, 7592, 7595, 7605	15809, 15869,
1354, 5541, 5604,	\LastTOCLevelWasHigher	16008, 16144,
5670, 6440, 6540,	. . . . . 19906	16158, 16181,
6550, 6617, 6717,	\LastTOCLevelWasLower	16373, 16388,
6727, 6813, 6819,	. . . . . 19902	16558, 16573,
6884, 6890, 6904,	\LastTOCLevelWasSame	16826, 17375,
7811, 7813, 7904,	. . . . . 19904	18074, 18611,
7906, 8467, 8536,	\LaTeX 12814,	18662, 18883,
8542, 8601, 8607,	20617, 20618, 20630	18906, 19053,
8631, 8637, 8702,	\LaTeXe 20619, 20620	19084, 19107,
8708, 8721, 10557,	\LBEG 2045	19124, 19141,
10636, 10642,	\lcb . 2042, 2045, 2046, 2049	19158, 19175,
10701, 10707,	\lccode 3503,	19192, 19210,
15787, 15883,	3505, 20398, 20399	19229, 19249,
15893, 15968,	\Lcs 2056	19284, 19477,
15974, 16022,	\LcsStar 2057	19585, 19630,
16032, 16114,	\leaders 16826,	20078, 20192,
16120, 16124,	17375, 18074,	20441, 20622,
16129, 16159,	18644, 18933,	20627, 20629,
16281, 16287,	20087, 20196, 20878	20637, 20644,
16374, 16468,	\leavevmode 14,	20718, 20824, 20874
16474, 16539,	209, 305, 371, 508,	\left . 20638, 20645, 20651
16545, 16559,	525, 646, 660, 685,	\left@footnoterule
19586, 19936, 19974	737, 874, 887,	. . . . . 30, 234,
\Largr 2044	904, 989, 1052,	408, 531, 715, 732,
\Largs 2043	1129, 1143, 1169,	951, 984, 1195,
\lastbox	1239, 2174, 2482,	1234, 6495, 6521,
7584, 7588, 7614,	5304, 5645, 6113,	6648, 6698, 6803,
10143, 10165,	6189, 6425, 6439,	6925, 8516, 8528,
10174, 10178,	6462, 6526, 6602,	8621, 8815, 10598,
13707, 15470, 20547	6616, 6639, 6703,	10628, 11133,
\lastbox@a 7584,	6903, 6918, 6998,	11139, 11152,
7585, 7588, 7589	6999, 7137, 7189,	11154, 11290,
\LastFrameCommand .	8452, 8466, 8720,	11304, 12881,
. 11404, 11514	9218, 9324, 9430,	12951, 15818,
\lastkern . . . 5316, 11489	9539, 9648, 9757,	15864, 16001,
\lastpenalty . 7030, 19996	9866, 9975, 10084,	16241, 16261,
\lastrule 7077	10556, 10571,	16398, 16458,
\lastskip	10852, 10867,	16580, 16814,
4749, 6245, 6246,	11318, 11816,	16836, 17071,



17363, 17385,	\leftskip 12,	18875, 18887,
17651, 17933,	13, 207, 208, 305,	18904, 18925,
18062, 18084, 18334	309, 506, 523, 526,	18927, 18932,
\leftfootnoterule .	527, 617, 630, 641,	18936, 18937,
1688, 7958, 8862,	642, 647, 658, 683,	19048, 19049,
11137, 11140,	686, 687, 868, 869,	19050, 19058,
11378, 11787, 21328	875, 885, 888, 889,	19079, 19080,
\leftline 15565,	902, 924, 1118,	19081, 19089,
20796, 20802, 20804	1124, 1125, 1130,	19102, 19103,
\leftlinenumbers ..	1141, 1167, 1170,	19104, 19112,
. 13124, 13127	1171, 1189, 5639,	19119, 19120,
\leftmargin 90,	5647, 5648, 6219,	19121, 19129,
293, 569, 570, 704,	6414, 6420, 6421,	19136, 19137,
705, 940, 967,	6426, 6437, 6460,	19138, 19146,
968, 1217, 1218,	6463, 6464, 6591,	19153, 19154,
2553, 2554, 4452,	6597, 6598, 6603,	19155, 19163,
5662, 5721, 5722,	6614, 6637, 6640,	19170, 19171,
5729, 5735, 6484,	6641, 6901, 6916,	19172, 19180,
6485, 6672, 6673,	6919, 6920, 7052,	19187, 19188,
6981, 6982, 8505,	7053, 7054, 7180,	19189, 19197,
8506, 8776, 8777,	7181, 7187, 8450,	19205, 19206,
10613, 10614,	8453, 8454, 8464,	19207, 19215,
12855, 15619,	8718, 9134, 10459,	19224, 19225,
15836, 15837,	10468, 10554,	19226, 19234,
16230, 16231,	10569, 10572,	19244, 19245,
16424, 16425,	10573, 12901,	19246, 19254,
16627, 16628,	12902, 13689,	19279, 19280,
17029, 17030,	14362, 14363,	19281, 19289,
17609, 17610,	14726, 14730,	19329, 19330,
18292, 18293,	14731, 14738,	19331, 20009,
18956, 18957,	14743, 14750,	20071, 20072,
20688, 20691,	14755, 15630,	20073, 20079,
20701, 20705,	15632, 15643,	20082, 20129,
20713, 20750,	15645, 15656,	20189, 20194,
20752, 20753,	15658, 15667,	20217, 20224,
20754, 20759,	15669, 15743,	20593, 20594,
20761, 20762,	15756, 15767,	20785, 20811,
20763, 20768,	15768, 15773,	20812, 20871, 20876
20770, 20771,	15784, 15807,	\LEND 2046
20772, 20777,	15810, 15811,	\LenToUnit 8244, 8258, 8276
20779, 20780, 20781	16139, 16140,	\leqno 328, 15561,
\leftmargini ... 4452,	16145, 16156,	15563, 21319, 21321
5662, 5675, 5682	16179, 16182,	\let 86,
\leftmarginii 5676	16183, 16193,	102, 115, 152, 153,
\leftmarginiii 5677	16206, 16255,	156, 157, 160, 161,
\leftmarginiv 5678	16371, 16386,	164, 222, 289, 319,
\leftmarginv 5679	16389, 16390,	327, 328, 340, 372,
\leftmarginvi 5680	16395, 16396,	373, 376, 393, 397,
\leftmarginwidth . 16395	16556, 16571,	401, 406, 407, 408,
\leftmark 6012	16574, 16575,	409, 410, 411, 412,



430, 431, 432, 433,
434, 435, 436, 437,
438, 439, 440, 441,
465, 466, 467, 468,
469, 470, 471, 472,
473, 474, 475, 476,
477, 484, 485, 486,
573, 596, 611, 708,
730, 731, 732, 733,
734, 772, 773, 774,
775, 776, 777, 778,
779, 780, 781, 816,
817, 818, 819, 820,
821, 822, 823, 824,
825, 826, 833, 860,
971, 982, 983, 984,
985, 986, 1024,
1025, 1026, 1027,
1028, 1029, 1030,
1031, 1032, 1033,
1068, 1069, 1070,
1071, 1072, 1073,
1074, 1075, 1076,
1077, 1078, 1085,
1112, 1221, 1232,
1233, 1234, 1235,
1236, 1274, 1275,
1276, 1277, 1278,
1279, 1280, 1281,
1282, 1283, 1318,
1319, 1320, 1321,
1322, 1323, 1324,
1325, 1326, 1327,
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1363, 1367, 1383,
1384, 1385, 1421,
1422, 1423, 1448,
1449, 1450, 1451,
1456, 1491, 1492,
1591, 1593, 1595,
1725, 1726, 1733,
1819, 1872, 1874,
1876, 1908, 1981,
1982, 1983, 1984,
1985, 1986, 1987,
1988, 1989, 1990,
1991, 2129, 2130,
2131, 2158, 2175,
2176, 2177, 2178,
2179, 2180, 2181,

2182, 2183, 2185,
2186, 2187, 2297,
2298, 2299, 2300,
2301, 2302, 2303,
2304, 2305, 2557,
2566, 2639, 2657,
2681, 2700, 2705,
2730, 2731, 2738,
2739, 2742, 2743,
2777, 2910, 2913,
2921, 2945, 2967,
2989, 2990, 3120,
3200, 3202, 3203,
3204, 3205, 3206,
3261, 3297, 3304,
3310, 3321, 3327,
3335, 3338, 3341,
3349, 3353, 3355,
3420, 3421, 3426,
3533, 3536, 3567,
3646, 3652, 3655,
3665, 3675, 3686,
3753, 3763, 3765,
3799, 3810, 3905,
3921, 3941, 3956,
3972, 4065, 4086,
4087, 4103, 4146,
4149, 4151, 4156,
4170, 4178, 4179,
4199, 4200, 4227,
4238, 4243, 4247,
4249, 4252, 4262,
4273, 4300, 4311,
4320, 4369, 4374,
4390, 4391, 4392,
4393, 4395, 4396,
4397, 4398, 4444,
4574, 4575, 4612,
4613, 4619, 4621,
4625, 4670, 4671,
4753, 4755, 4757,
4903, 4904, 4917,
4921, 4923, 4924,
4930, 4934, 4938,
4947, 5191, 5192,
5210, 5211, 5229,
5230, 5257, 5258,
5286, 5287, 5288,
5385, 5406, 5407,
5408, 5414, 5435,

5436, 5437, 5443,
5464, 5465, 5466,
5482, 5486, 5487,
5488, 5491, 5495,
5496, 5497, 5500,
5504, 5505, 5506,
5653, 5717, 5758,
5845, 5912, 5913,
5914, 6104, 6105,
6107, 6108, 6126,
6147, 6148, 6149,
6150, 6151, 6152,
6153, 6154, 6155,
6158, 6159, 6160,
6161, 6162, 6163,
6164, 6165, 6166,
6227, 6253, 6303,
6309, 6330, 6343,
6353, 6367, 6371,
6372, 6373, 6374,
6375, 6376, 6377,
6378, 6379, 6385,
6386, 6387, 6388,
6389, 6390, 6391,
6392, 6393, 6408,
6488, 6519, 6520,
6521, 6522, 6523,
6561, 6562, 6563,
6564, 6565, 6566,
6567, 6568, 6569,
6570, 6585, 6676,
6696, 6697, 6698,
6699, 6700, 6738,
6739, 6740, 6741,
6742, 6743, 6744,
6745, 6746, 6747,
6796, 6801, 6802,
6803, 6804, 6805,
6806, 6807, 6825,
6826, 6827, 6828,
6829, 6830, 6831,
6832, 6833, 6834,
6835, 6836, 6860,
6861, 6862, 6863,
6864, 6865, 6866,
6867, 6868, 6869,
6870, 6871, 6872,
6879, 6880, 6881,
6985, 7009, 7011,
7014, 7015, 7016,



7022, 7027, 7047,	8977, 8981, 9169,	10653,	10654,
7059, 7060, 7061,	9170, 9171, 9175,	10655,	10656,
7063, 7064, 7070,	9176, 9177, 9178,	10657,	10681,
7071, 7072, 7073,	9181, 9278, 9279,	10682,	10683,
7093, 7102, 7143,	9280, 9284, 9285,	10684,	10685,
7149, 7170, 7342,	9286, 9287, 9290,	10686,	10687,
7345, 7346, 7405,	9381, 9382, 9383,	10688,	10689,
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7957, 7958, 7959,	9390, 9393, 9490,	10698,	10754,
7960, 7963, 7964,	9491, 9492, 9496,	10781,	10784,
7966, 7984, 7985,	9497, 9498, 9499,	10785,	10817,
7987, 8005, 8006,	9502, 9599, 9600,	10820,	10821,
8010, 8045, 8047,	9601, 9605, 9606,	10903,	10904,
8059, 8062, 8063,	9607, 9608, 9611,	10906,	10907,
8067, 8097, 8099,	9708, 9709, 9710,	10910,	10911,
8111, 8114, 8115,	9714, 9715, 9716,	10940,	10942,
8162, 8186, 8194,	9717, 9720, 9817,	10944,	10954,
8202, 8509, 8526,	9818, 9819, 9823,	10955,	10956,
8527, 8528, 8529,	9824, 9825, 9826,	10962,	10966,
8530, 8548, 8549,	9829, 9926, 9927,	10969,	10972,
8550, 8551, 8552,	9928, 9932, 9933,	10974,	10977,
8553, 8554, 8555,	9934, 9935, 9938,	10978,	11112,
8556, 8557, 8581,	10035, 10036,	11140,	11166,
8582, 8583, 8584,	10037, 10041,	11167,	11276,
8585, 8586, 8587,	10042, 10043,	11290,	11304,
8588, 8589, 8590,	10044, 10047,	11330,	11331,
8591, 8598, 8619,	10194, 10195,	11332,	11333,
8620, 8621, 8622,	10196, 10201,	11367,	11382,
8623, 8624, 8625,	10202, 10208,	11388,	11393,
8643, 8644, 8645,	10209, 10210,	11528,	11529,
8646, 8647, 8648,	10211, 10212,	11530,	11531,
8649, 8650, 8651,	10213, 10217,	11583,	11586,
8652, 8653, 8654,	10218, 10249,	11587,	11632,
8678, 8679, 8680,	10251, 10253,	11635,	11636,
8681, 8682, 8683,	10254, 10259,	11772,	11787,
8684, 8685, 8686,	10260, 10266,	11788,	11789,
8687, 8688, 8689,	10267, 10268,	11790,	11791,
8690, 8697, 8698,	10270, 10272,	11885,	11919,
8699, 8780, 8830,	10274, 10275,	11921,	11949,
8831, 8832, 8833,	10279, 10280,	11951,	11956,
8834, 8835, 8844,	10307, 10316,	11958,	11962,
8845, 8846, 8847,	10328, 10340,	11964,	12295,
8848, 8849, 8850,	10371, 10390,	12296,	12297,
8851, 8852, 8853,	10404, 10474,	12338,	12339,
8854, 8855, 8860,	10544, 10617,	12340,	12382,
8861, 8862, 8863,	10626, 10627,	12383,	12384,
8864, 8964, 8965,	10628, 10629,	12397,	12398,
8966, 8967, 8968,	10630, 10648,	12399,	12412,
8969, 8972, 8973,	10649, 10650,	12413,	12414,
8974, 8975, 8976,	10651, 10652,	12420,	12422,



12423,	12424,	15186,	15187,	16096,	16097,
12425,	12426,	15188,	15189,	16098,	16099,
12427,	12428,	15190,	15192,	16100,	16101,
12437,	12473,	15231,	15236,	16109,	16110,
12511,	12544,	15250,	15282,	16111,	16234,
12575,	12606,	15471,	15475,	16259,	16260,
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12617,	12618,	15526,	15527,	16265,	16293,
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12642,	12809,	15561,	15623,	16300,	16301,
12810,	12811,	15627,	15629,	16302,	16303,
12812,	12827,	15640,	15642,	16304,	16333,
12838,	12851,	15653,	15655,	16334,	16335,
12868,	12917,	15665,	15666,	16336,	16337,
12961,	12997,	15677,	15678,	16338,	16339,
13007,	13012,	15679,	15680,	16340,	16341,
13219,	13231,	15681,	15694,	16342,	16343,
13542,	13543,	15700,	15712,	16344,	16345,
13544,	13546,	15720,	15721,	16351,	16352,
13548,	13552,	15737,	15840,	16353,	16428,
13554,	13556,	15862,	15863,	16452,	16456,
13557,	13559,	15864,	15865,	16457,	16458,
13560,	13561,	15866,	15904,	16459,	16460,
13565,	13571,	15905,	15906,	16461,	16462,
13583,	13619,	15907,	15908,	16480,	16481,
13620,	13621,	15909,	15910,	16482,	16483,
13681,	13682,	15911,	15912,	16484,	16485,
13683,	13684,	15913,	15948,	16486,	16487,
13685,	13693,	15949,	15950,	16488,	16489,
13740,	13741,	15951,	15952,	16490,	16491,
13742,	14330,	15953,	15954,	16515,	16516,
14331,	14332,	15955,	15956,	16517,	16518,
14333,	14334,	15957,	15958,	16519,	16520,
14335,	14336,	15965,	15992,	16521,	16522,
14337,	14338,	15999,	16000,	16523,	16524,
14394,	14397,	16001,	16002,	16525,	16526,
14398,	14400,	16003,	16004,	16527,	16534,
14401,	14498,	16005,	16043,	16535,	16536,
14501,	14502,	16044,	16045,	16631,	16656,
14598,	14601,	16046,	16047,	16683,	16684,
14602,	14837,	16048,	16049,	16701,	16773,
14840,	14866,	16050,	16051,	16774,	16775,
14867,	14870,	16052,	16053,	16834,	16835,
14871,	14874,	16054,	16089,	16836,	16837,
14875,	14975,	16090,	16091,	16838,	16839,
14990,	15076,	16092,	16093,	16840,	16842,
15077,	15078,	16094,	16095,	16906,	16923,



16924,	16925,	17676,	17682,	18749,	18764,
16926,	16927,	17683,	17684,	18765,	18766,
16928,	16929,	17685,	17686,	18767,	18768,
16930,	16931,	17687,	17781,	18769,	18771,
16932,	16933,	17783,	17789,	18772,	18775,
16934,	16935,	17791,	18021,	18776,	18850,
16936,	16937,	18022,	18023,	18851,	18854,
16938,	16939,	18082,	18083,	18856,	18857,
16940,	16941,	18084,	18085,	18858,	18870,
16942,	16943,	18086,	18087,	18899,	18928,
16944,	16945,	18088,	18090,	18933,	18939,
16946,	16947,	18154,	18171,	18942,	18960,
16948,	16949,	18172,	18173,	19022,	19026,
16950,	16954,	18174,	18175,	19055,	19056,
16955,	16956,	18176,	18177,	19057,	19086,
17041,	17066,	18178,	18179,	19087,	19088,
17067,	17091,	18180,	18181,	19109,	19110,
17092,	17093,	18182,	18183,	19111,	19126,
17094,	17095,	18184,	18185,	19127,	19128,
17096,	17102,	18186,	18187,	19143,	19144,
17103,	17104,	18188,	18189,	19145,	19160,
17105,	17106,	18190,	18191,	19161,	19162,
17107,	17201,	18192,	18193,	19177,	19178,
17203,	17209,	18194,	18195,	19179,	19194,
17211,	17322,	18196,	18197,	19195,	19196,
17323,	17324,	18198,	18202,	19212,	19213,
17383,	17384,	18203,	18204,	19214,	19231,
17385,	17386,	18304,	18329,	19232,	19233,
17387,	17388,	18330,	18354,	19251,	19252,
17389,	17391,	18355,	18356,	19253,	19286,
17455,	17472,	18357,	18358,	19287,	19288,
17473,	17474,	18359,	18365,	19351,	19506,
17475,	17476,	18366,	18367,	19643,	19724,
17477,	17478,	18368,	18369,	19727,	19757,
17479,	17480,	18370,	18464,	19990,	20206,
17481,	17482,	18466,	18472,	20214,	20219,
17483,	17484,	18474,	18602,	20226,	20243,
17485,	17486,	18603,	18604,	20246,	20306,
17487,	17488,	18607,	18663,	20364,	20368,
17489,	17490,	18664,	18665,	20446,	20451,
17491,	17492,	18668,	18679,	20461,	20465,
17493,	17494,	18680,	18681,	20494,	20504,
17495,	17496,	18688,	18689,	20508,	20548,
17497,	17498,	18694,	18703,	20552,	20601,
17499,	17503,	18704,	18705,	20602,	20603,
17504,	17505,	18707,	18710,	20604,	20607,
17621,	17646,	18714,	18717,	20608,	20610,
17647,	17671,	18719,	18722,	20615,	20617,
17672,	17673,	18731,	18734,	20619,	20631,
17674,	17675,	18747,	18748,	20632,	20633,



20634, 20638,	8218, 8219, 8223,	13085, 13087,
20639, 20645,	8224, 8227, 8228,	13687, 14402,
20646, 20647,	8232, 8233, 8236, 8237	14408, 15143,
20659, 20681,	\line 7199, 7200,	15145, 15163,
20743, 20784,	7202, 7203, 7209,	15165, 15359,
20787, 20788,	7210, 7212, 7213,	15365, 15451,
20802, 20803,	7222, 7223, 7225,	15460, 15461,
20821, 20825,	7226, 7232, 7233,	15514, 15516,
20826, 20827,	7235, 7236, 7245,	15684, 17187,
20830, 20842,	7246, 7248, 7249,	17767, 18450,
20843, 20844,	7255, 7256, 7258,	20595, 20597,
20845, 20851,	7259, 7268, 7269,	20687, 20688,
20852, 20853,	7271, 7272, 7278,	20715, 20750,
20891, 20943,	7279, 7281, 7282,	20752, 20753,
20946, 20947,	15564, 15565, 15566	20754, 20759,
20990, 20993,	\LineNumber . . . 13102,	20761, 20762,
20994, 21224,	13104, 13106,	20763, 20768,
21226, 21229,	13111, 13114, 13116	20770, 20771,
21241, 21243,	\linenumberwidth . .	20772, 20777,
21245, 21247,	. 13104, 13111, 13116	20779, 20780,
21249, 21251,	\lineskip 394,	20781, 21213, 21216
21254, 21255,	419, 490, 752,	\link 2516
21257, 21258,	837, 1004, 1089,	\list 89,
21264, 21265,	1254, 1340, 1349,	292, 567, 702, 938,
21266, 21271,	2386, 6541, 6718,	965, 1215, 5700,
21283, 21286,	6814, 6885, 8537,	5718, 5727, 5735,
21288, 21295,	8602, 8632, 8703,	6482, 6670, 6979,
21299, 21301,	10637, 10702,	8503, 8774, 10611,
21304, 21305,	10958, 13584,	12854, 15068,
21318, 21319,	13690, 15691,	15834, 16228,
21327, 21328,	15884, 15969,	16422, 16625,
21329, 21476, 21478	16023, 16115,	17025, 17605,
\Letter 2402	16124, 16282,	18288, 18954, 20670
\lettergroup 5769	16358, 16469,	\listdoubleitemmaincolumnwidth
\LettrineDepth . . . 13019	16540, 16864,	. . . . 2456, 2469,
\LettrineHeight . . .	16978, 17413,	2470, 2471, 2498, 2502
. 13018, 13026, 13031	17527, 18112,	\listfigurename 5622, 5623
\LettrineSecondString	18226, 18683,	\listitemmaincolumnwidth
. 12977	18722, 20847, 21267	. . . . . 2455,
\LettrineTextFont .	\lineskiplimit	2463, 2464, 2496
. 12977, 12985, 13030	. . . . 10959, 21267	\listitemsymbol . . .
\LettrineWidth	\linespacing . . 24, 12889	. . . . 2397, 2454,
. 13010, 13017	\linespread 2931	2495, 2497, 7767, 7865
\lftside 15401,	\linewidth 2510,	\listitemsymbolwidth
15403, 15406,	4647, 10853,	. . . . . 2453,
15408, 15422, 15424	10868, 10872,	2454, 2464, 2470
\Line 8189,	11540, 11548,	\listoffigures 5620
8192, 8197, 8200,	11549, 11551,	\listoftables 5628
8205, 8206, 8209,	11552, 11985,	\listparindent
8210, 8214, 8215,	13060, 13063,	. 938, 5720, 5727,



5728, 20677, 20686	12549, 12566,	\LRfootnoterule ...
\listtablename 5630, 5631	12580, 12597,	... 7960, 8864, 11140
\llap 5707, 8299,	12822, 13171,	\lsb 2043, 2051
9000, 9012, 9024,	14344, 14394,	\lst@@caption . 13192,
10760, 10766,	14444, 14466,	13198, 13205, 13210
11794, 11930,	14878, 14882,	\lst@alloverstyle .
11932, 11934,	14886, 15340,	..... 2032, 2038
11936, 11939,	15549, 15867,	\lst@HRefStepCounter
11941, 11944,	15932, 16006,	..... 13192, 13198
11946, 13091,	16073, 16269,	\lst@ifnumberbychapter
18629, 18888, 18906	16312, 16498,	..... 13231, 13232
\LoadClass ... 5954, 5978	16789, 17338,	\lst@Key ... 13135, 13142
\long .. 34, 48, 64, 237,	17912, 18012,	\lst@MakeCaption ..
251, 266, 448, 735,	18037, 18601,	..... 13190, 13203
800, 987, 1050,	18787, 18791,	\lst@makecaption ..
1237, 1302, 1974,	18794, 18798,	..... 13187, 13220
2192, 2195, 2198,	20440, 20621,	\lst@maketitle 13188,
2203, 2206, 2209,	20717, 21094,	13221, 13225, 13227
2675, 2676, 2685,	21098, 21102,	\lst@title@dropdelim
2688, 2699, 2878,	21138, 21142,	..... 13188
2882, 2915, 2947,	21146, 21205, 21308	\lstKV@SwitchCases
2951, 3061, 3080,	\longindentation .. 8808	..... 13136, 13143
3155, 3171, 3183,	\longthickrule	\lstset 2002
3192, 3224, 3252,	..... 16350, 16356	\LT@ohl 13544, 13546
3264, 3265, 3633,	\loop 1775,	\LT@tabarray 13543, 13547
3635, 3639, 3651,	1776, 3708, 3718,	\LT@array 12818,
3658, 3667, 3670,	7292, 7462, 7468,	13533, 17201,
3677, 3695, 4317,	7573, 7628, 7640,	17202, 17781,
4581, 4730, 4990,	10163, 10172,	17782, 18464, 18465
4994, 4998, 5034,	13047, 15357,	\LT@bchunk
5038, 5042, 5078,	15393, 15420,	13574, 13581, 13585
5082, 5086, 5297,	15431, 15458, 18742	\LT@caption ... 13552,
5384, 5413, 5442,	\looprepeat 3725, 3729,	17203, 17209,
6260, 6263, 6266,	3773, 3844, 3851,	17211, 17783,
6270, 6273, 6276,	3856, 3862, 3865,	17789, 17791,
6524, 6701, 6843,	3867, 3871, 3872, 3877	18466, 18472, 18474
7136, 7965, 7986,	\lower 1629, 1902, 15555,	\LT@cols 13587,
8564, 8661, 10664,	15589, 15597,	17186, 17766, 18449
11214, 11231,	20434, 20627, 20629	\LT@end@open 13635
11247, 11275,	\lowercase 2745,	\LT@endpbox 13554
11289, 11303,	2753, 2761, 2769	\LT@err 13636
11792, 11806,	\lowertitleback ...	\LT@foot 12833,
11815, 11861,	. 16947, 17496, 18195	12837, 13639,
11902, 11909,	\LR 12810, 15522, 15555,	13643, 13652, 13655
12341, 12352,	20603, 20627, 20629	\LT@head ... 13646, 13659
12363, 12374,	\lrb 2044, 2053	\LT@hline 13552
12389, 12404,	\LRE 1592, 1636,	\LT@kill 13552
12447, 12464,	1873, 1907, 12809,	\LT@lastfoot
12485, 12502,	15522, 15525,	13639, 13641, 13652
12518, 12535,	20246, 20603, 20606	\LT@LL@FM@cr 13561, 13565



\LT@make@row 13582	\LTRfootfootmark 11349, 14331,
\LT@makecaption 13586, 13597,	16004, 16044,
17178, 17758, 18441	16090, 16110,
\LT@mcol 13542, 13587,	16264, 16294,
17186, 17766, 18449	16334, 16352,
\LT@no@pgbk . 13550, 13551	16461, 16481,
\LT@nofcols 13581	16516, 16535,
\LT@output 13633	16839, 16924,
\LT@p@ftn 12442,	16955, 17388,
12445, 12449,	17473, 17504,
12459, 12480,	18087, 18172, 18203
12483, 12487,	\ltx@firstofthree 11065, 11089
12497, 13626,	\ltx@ifundefined 11059, 11083
13627, 13629, 13630	\ltx@secondofthree 11068, 11092
\LT@p@ftntext 13619	\ltx@thirdofthree 11061, 11078, 11085
\LT@p@LTRftntext 12440,	
12447, 13620, 13625	
\LT@p@RTLftntext 12478,	
12485, 13621, 13628	
\LT@rows . . . 13576, 13606	
\LT@setprevdepth . 13577	
\LT@start . . 12835, 12845	
\LT@startpbox 13558, 13565, 13617	
\LT@tabularcr 13548	
\LT@captype 13599, 13608, 13609	
\LTcapwidth 13587, 13600, 13601	
\LTleft 13536,	
13538, 13540, 13578	
\LTR 15514, 20595	
\LTR@column@boxes 14794,	
14810, 14841, 14843	
\LTR@outputdblcol 7392, 10805,	
11566, 14585,	
20977, 21021, 21023	
\LTRbidituftesidenotemarginpar 5017, 5343, 5493	
\LTRcite 5287, 5407, 5436,	
5465, 5487, 5496, 5505	
\LTRcolumnfootnotes 8983	
\LTRdblcol 21023	
\LTRdfnmakecol 8118	
\LTRfootfootmark 8885, 9010, 9224,	
9330, 9436, 9545,	
9654, 9763, 9872,	
9981, 10090, 10358	
\LTRfootmarkstyle 8996, 9035	
\LTRfootnote . . . 411,	
485, 2130, 2138,	
5476, 5826, 6806,	
6880, 8624, 8698,	
11195, 16004,	
16110, 16264,	
16352, 16461,	
16535, 16839,	
16955, 17388,	
17504, 18087, 18203	
\LTRfootnotetext 2196, 2207,	
6264, 6274, 11351,	
11353, 12443,	
13626, 18788, 18792	
\LTRfootscript . 8996,	
9013, 9017, 9019	
\LTRfoottextfont 8886, 8922, 8947,	
9075, 9196, 9224,	
9244, 9304, 9330,	
9349, 9408, 9436,	
9456, 9517, 9545,	
9565, 9626, 9654,	
9674, 9735, 9763,	
9783, 9844, 9872,	
9892, 9953, 9981,	
10001, 10062,	
10090, 10110,	
10330, 10358, 10393	
\LTRight 13536,	
13538, 13540, 13579	
\LTRmarginnote 5490	
\LTRmarginpar 21077	
\LTRmulticolcolumns 14839	
\LTRsidenote . . 5212, 5472	
\LTRthanks . 411, 431,	
466, 485, 5826,	
5834, 5851, 5867,	
5878, 6806, 6826,	
6861, 6880, 8624,	
8644, 8679, 8698,	
11349, 14331,	
16004, 16044,	
16090, 16110,	
16264, 16294,	
16334, 16352,	
16461, 16481,	
16516, 16535,	
16839, 16924,	
16955, 17388,	
17473, 17504,	
18087, 18172, 18203	
\ltx@firstofthree 11065, 11089	
\ltx@ifundefined 11059, 11083	
\ltx@secondofthree 11068, 11092	
\ltx@thirdofthree 11061, 11078, 11085	
	M
\m@addvipersep 14527, 14627	
\m@m@float@spacing 8987	
\m@m@footnote@spacing 8892, 8906,	
8920, 8934, 8945,	
8956, 8986, 9185,	
9195, 9205, 9231,	
9243, 9256, 9267,	
9272, 9294, 9303,	
9312, 9337, 9348,	
9360, 9370, 9375,	
9397, 9407, 9417,	
9443, 9455, 9468,	
9479, 9484, 9506,	
9516, 9526, 9552,	
9564, 9577, 9588,	
9593, 9615, 9625,	
9635, 9661, 9673,	
9686, 9697, 9702,	
9724, 9734, 9744,	
9770, 9782, 9795,	
9806, 9811, 9833,	
9843, 9853, 9879,	
9891, 9904, 9915,	
9920, 9942, 9952,	
9962, 9988, 10000,	
10013, 10024,	
10029, 10051,	



10061, 10071,	\m@make@para@footgroup	10105, 10118,
10097, 10109,	. 10199, 10257, 10416	10130, 10326,
10122, 10133,	\m@make@para@footstart	10338, 10350,
10138, 10220,	. . 10200, 10206,	10387, 10401, 10415
10282, 10317,	10258, 10264, 10454	\m@mold@footnotetext
10329, 10341,	\m@make@sevenscol@footgroup	. . 8964, 8972, 10249
10372, 10391,	. . . . . 9713, 9804	\m@mold@LTRfootnotetext
10405, 10423,	\m@make@sixcol@footgroup	. . . . . 8965, 8973
10433, 10442, 10451	. . . . . 9604, 9695	\m@mold@mpfootnotetext
\m@m@h 9150, 9152,	\m@make@tencol@footgroup	. . 8967, 8975, 10270
9154, 9157, 9158, 9163	. . . . . 10040, 10131	\m@mold@mpLTRfootnotetext
\m@m@k 9150, 9152,	\m@make@threecol@footgroup	. . . . . 8968, 8976
9157, 9160, 9161, 9163	. . . . . 9283, 9368	\m@mold@mpRTLfootnotetext
\m@m@makecolfloats	\m@make@twocol@footgroup	. . 8969, 8977, 10275
. 10472, 10525, 10531	. . . . . 9174, 9265	\m@mold@RTLfootnotetext
\m@m@makecolintro .	\m@mdoextrafeet . . .	. . 8966, 8974, 10254
. 10487, 10516, 10529	. 9044, 10524, 10538	\m@mopfootnote
\m@m@makecoltext . .	\m@mdoextrafeetendmini	. . . . . 10488, 10522
. 10476, 10526, 10539	. . . . . 9113, 9126	\m@mremovehboxes . .
\m@m@singlespace . . 8985	\m@mdoextrafeetmini 9085	. . . . . 10178,
\m@m@make@eightcol@footgroup	\m@m@dosplits . . . 9155,	10179, 10421,
. 9822, 9913	9159, 9160, 9161	10431, 10441, 10450
\m@m@make@fivecol@footgroup	\m@minterparanoteglue	\m@mrigidbalance . .
. 9495, 9586	. . . . . 10156, 10158	. . . . 9152, 9157,
\m@m@make@footstart .	\m@mipn@skip	9269, 9274, 9372,
. 9131, 9143	. 10148, 10155, 10157	9377, 9481, 9486,
\m@m@make@fourcol@footgroup	\m@m@makehboxofhboxes	9590, 9595, 9699,
. 9386, 9477	. . . . . 10160,	9704, 9808, 9813,
\m@m@make@mp@eightcol@footgroup	10170, 10420,	9917, 9922, 10026,
. 9828, 9918	10430, 10440, 10449	10031, 10135, 10140
\m@m@make@mp@fivecol@footgroup	\m@m@mf@prepare . 8902,	\m@m@splitoff . . 9160, 9162
. 9501, 9591	8916, 8930, 8991,	\m@m@ungebox
\m@m@make@mp@fourcol@footgroup	9193, 9203, 9213,	. . 10149, 10326,
. 9392, 9482	9239, 9252, 9264,	10338, 10350,
\m@m@make@mp@ninecol@footgroup	9301, 9310, 9319,	10387, 10401, 10415
. 9937, 10027	9344, 9356, 9367,	\m@m@unvxh . . 10141, 10150
\m@m@make@mp@para@footgroup	9405, 9415, 9425,	\m@m@ne 304, 544, 553, 2729,
. 10215, 10277, 10436	9451, 9464, 9476,	2918, 3453, 3460,
\m@m@make@mp@sevenscol@footgroup	9514, 9524, 9534,	3704, 3709, 3719,
. 9719, 9809	9560, 9573, 9585,	3800, 4985, 5029,
\m@m@make@mp@sixcol@footgroup	9623, 9633, 9643,	5073, 6753, 6911,
. 9610, 9700	9669, 9682, 9694,	6948, 7292, 8472,
\m@m@make@mp@tencol@footgroup	9732, 9742, 9752,	8481, 8742, 10564,
. 10046, 10136	9778, 9791, 9803,	10581, 12665,
\m@m@make@mp@threecol@footgroup	9841, 9851, 9861,	14768, 15615,
. 9289, 9373	9887, 9900, 9912,	16381, 16566,
\m@m@make@mp@twocol@footgroup	9950, 9960, 9970,	16603, 17265,
. 9180, 9270	9996, 10009,	17843, 17846,
\m@m@make@mp@ninecol@footgroup	10021, 10059,	18526, 18529,
. 9931, 10022	10069, 10079,	19034, 19076,



20015, 21089,	12912, 14339,	\marginparsep
21133, 21168, 21171	15860, 15905,	. . . . 1960, 2362,
\m@th 396, 8288,	15927, 15949,	4525, 4528, 4532,
8293, 8299, 10853,	15997, 16046,	4684, 4691, 11929,
10868, 13583,	16068, 16092,	11931, 11935,
20087, 20196,	16258, 16296,	11940, 11943,
20651, 20745,	16307, 16336,	11945, 21198, 21200
20817, 20819, 20878	16455, 16483,	\marginparwidth 1959,
\maincolumnwidth . .	16494, 16518,	2363, 4524, 4529,
2451, 2460, 2461,	16828, 16899,	4541, 4639, 4909,
2462, 2463, 2465,	16926, 17377,	5002, 5046, 5090,
2469, 2484, 2488, 2513	17448, 17475,	11929, 11931,
\mainmatter 6005	18076, 18147, 18174	11943, 11945,
\makeatletter . 3127, 3146	\maketitledetailsnewline	21106, 21150, 21200
\makebox	7923, 7938, 7940,	\markboth 124,
8287, 8292, 8361,	7941, 7942, 7943, 7944	558, 6010, 8486, 12926
8364, 8367, 8374,	\maketitledetailwidth	\mathindent . 10854, 10870
8382, 8389, 8430,	. . . . 7915, 7917,	\mathsurround 7026
8434, 15180, 15198	7918, 7919, 7920, 7935	\max@poem@no
\makefooter	\maketitlehookb . . 14389	. . . 6205, 6314, 6315
. . . 7832, 7833, 7849	\maketitlehookc . . 14391	\maxdepth 10527,
\MakeFramed 11406	\maketitlenamefullwidth	10540, 11778, 11785
\makelabel . . 5707, 20681	. . . 7909, 7910, 7912	\maxdimen
\MakeLineNo 13096	\maketitlenamemaxwidth	7333, 7334, 7336,
\makeLineNumber . . .	. . . 7907, 7908, 7912	7396, 7397, 7399,
. 13097, 13099	\maketitlenamewidth	10322, 10334,
\makeLineNumberLeft	. . . . . 7911,	10346, 10383,
. 13102	7912, 7918, 7930	10397, 10411,
\makeLineNumberRight	\maketitlepage 5888, 5930	10725, 10773,
. 13110	\maketitlepicturewidth	10774, 10775,
\maketag@@@ 336,	. . . . . 7913,	10809, 10810,
8285, 8298, 13665	7914, 7920, 7949	10811, 11413,
\makethanksmark . . 14344	\MakeUppercase . 125,	11574, 11575,
\maketitle . 110, 313,	564, 592, 593,	11577, 11623,
320, 405, 433, 444,	608, 699, 857,	11624, 11626,
468, 728, 773, 795,	962, 1109, 1212,	14489, 14490,
817, 980, 1025,	6405, 6479, 6582,	14492, 14589,
1047, 1069, 1230,	6667, 6792, 6793,	14590, 14592,
1275, 1297, 1319,	6976, 8500, 8771,	18735, 18774,
1970, 1982, 2477,	10608, 12927,	20147, 20150,
5802, 5906, 5930,	15734, 15831,	20155, 20159,
6517, 6562, 6694,	15989, 16225,	20163, 20167,
6739, 6800, 6828,	16448, 16449, 16622	20171, 20175,
6839, 6863, 7814,	\marginline	20179, 20183,
7928, 8525, 8549,	. 17084, 17664, 18347	20368, 20934,
8560, 8582, 8618,	\marginnote 5481	20935, 20937,
8646, 8657, 8681,	\marginpar	20981, 20982, 20984
10625, 10649,	4551, 5259, 17085,	\mbox . 11890, 13091, 18015
10660, 10682,	17665, 18348, 20282	\mc@col@status@write
12612, 12613,	\marginparpush 4484, 21187	. . . . . 14798, 14822



\mc@gridwarn	14788	\mem@makecol 10515, 10541	8390, 8391, 8393,
\mc@lastcol@status@write		\memRTLleftskip . .	14362
..... 14804, 14830		\memRTLraggedleft 14367	8394, 8396, 8401,
\mdf@footnotedistance@length		\memRTLraggedright 14366	8402, 8403, 8404,
..... 13728		\memRTLrightskip .	14363
\mdf@footnoteinput 13736		\memRTLvleftskip .	14364
\mdf@footnoteoutput		\memRTLvrightskip 14365	8405, 8406, 8407,
..... 13725		\message . . 1845, 1847,	8408, 8409, 8418,
\mdf@frametitleaboveskip@length	11414, 11422,		8420, 8424, 8425, 8427
..... 13720	11426, 11431,	\MHInternalSyntaxOff	..... 8442, 13668
\mdf@frametitlealignment	11439, 11445,	\MHInternalSyntaxOn	..... 8282, 13662
..... 13701	11455, 11460,	\MidFrameCommand . .	. 11402, 11446, 11514
\mdf@frametitlebelowskip@length	11462, 11469,	\minrowclearance . .	... 1453, 1487, 7131
..... 13721	11477, 11490,	\mintagvsep	8302
\mdf@frametitlebox	11498, 11503,	\missingfigure . . . .	..... 20326, 20356
. . 13700, 13713,	11508, 11521,		
13714, 13715,	11532, 11540, 11552		
13716, 13718, 13719	\MessageBreak	\mix 13757, 13758, 13765,	
\mdf@frametitlefont	..... 148, 3368,	13766, 13792,	
..... 13703	3382, 3394, 3408,	13809, 13832,	
\mdf@frametitlefontcolor	4081, 4092, 4099,	13835, 13837,	
..... 13702	4111, 4117, 4215,	13860, 13892,	
\mdf@horizontalmargin@equation	4268, 4269, 4270,	13900, 13909,	
..... 13678	4284, 4285, 4287,	13920, 13931,	
\mdf@ignorevbadness	4565, 4661, 4888,	13933, 13938,	
..... 13712	4889, 4957, 5561,	13939, 13941,	
\mdf@lrbbox . 13671, 13700	5562, 5563, 5565,	13942, 13944,	
\mdf@par@local . . . 13694	5566, 5570, 5571,	13956, 13965,	
\mdf@patchamsthm . 13672	5572, 5574, 5575,	13968, 13969,	
\mdfframetitleenv 13699	12982, 13024,	13970, 13980,	
\mdfframetitleboxdepth	13025, 13028,	13990, 13991,	
..... 13716	14440, 14441,	13993, 13994,	
\mdfframetitleboxheight	14771, 14790,	13999, 14000,	
..... 13715	14862, 14939,	14016, 14018,	
\mdfframetitleboxtotalheight	14946, 16900,	14020, 14025,	
..... 13717	17051, 17058,	14064, 14071,	
\mdfframetitleboxwidth	17449, 17631,	14072, 14075,	
..... 13714	17638, 18148,	14093, 14095,	
\mdseries	18314, 18321,	14098, 14100,	
. 307, 7808, 7810,	19659, 19661, 19664	14103, 14110,	
7812, 7813, 7900,	\MH 8297, 8301,	14118, 14120,	
7901, 7902, 7905, 7906	8306, 8307, 8311,	14173, 14178,	
\meaning	8315, 8316, 8320,	14189, 14190,	
2638, 2641, 2884,	8328, 8330, 8335,	14193, 14224,	
3117, 3144, 3159,	8347, 8355, 8360,	14229, 14231,	
3177, 3185, 3194, 3258	8363, 8366, 8368,	14238, 14239,	
\mediabutton	8369, 8371, 8372,	14242, 14257,	
. 14263, 14323, 14324	8375, 8376, 8378,	14261, 14264,	
\medskip 6112	8379, 8381, 8383,	14266, 14275,	
\medskipamount 8810	8384, 8386, 8387,	14278, 14288,	



14289, 14291, 14314, 14320, 14324	\mult@RTLfootnotetext 159, 161, 14873, 14875, 14886	\newboolean 4408, 4411, 4413, 4415, 4416, 4428, 4492, 4502, 4569, 4592, 4893, 5517, 5776, 5803
\mkern 20088, 20089, 20197, 20879	\multfootsep .. 5301, 5319	\newbox 6177, 6178
\mobile 2439	\multi@column@out 14931, 14974	\newcommand 1526, 1527, 1533, 1539, 1556, 1557, 1561, 1562, 1573, 1576, 1579, 1602, 1603, 1618, 1634, 1650, 1778, 2031, 2037, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2343, 2429, 2434, 2435, 2436, 2438, 2439, 2440, 2442, 2443, 2445, 2446, 2457, 2458, 2478, 2485, 2487, 2491, 2495, 2497, 2503, 2512, 2514, 2516, 2520, 2524, 2529, 2541, 2565, 2571, 2744, 2752, 2760, 2768, 2785, 2791, 2797, 2803, 2809, 2815, 2821, 2827, 2834, 2837, 2840, 2846, 2858, 2864, 2876, 2879, 2881, 2888, 2892, 2898, 2905, 2908, 2911, 2914, 2930, 2936, 2980, 2985, 3107, 3131, 3182, 3191, 3268, 3271, 3274, 3277, 3280, 3283, 3286, 3290, 3293, 3307, 3317, 3330, 3345, 3903, 3904, 3920, 3935, 3939, 3945, 3948, 3951, 3954, 3959, 3962, 3965, 3969, 3973, 3976, 3977, 3978, 3980, 3988, 3997, 3999, 4009, 4011, 4023, 4025,
\Mobilefone 2399	\multicol@leftmargin 14772, 14781	
\mobilesymbol	\multicols 14850	
... 2399, 7842, 7940	\multicolumn 13542, 18709	
\modernpoem 6367	\multiplefootnotemarker 5300, 5316, 5410, 5411, 5439, 5440, 5468, 5469, 8990, 8992, 8993	
\modernpoem@obeylines 6107, 6367	\multiply 1944, 1949, 2287, 10237, 10299, 14911, 14912, 14915, 14916, 15376, 15380	
\modernpoem@par 6107, 6108, 6331	\myrefname 17966	
\morefloats ... 4791, 4888		
\moreLRE 1593, 1874, 15476, 20553	N	
\moreRLE 1595, 1876, 15477, 20554	\n@xt 1591, 1593, 1595, 1596, 1872, 1874, 1876, 1877	
\moveleft ... 4941, 14683	\na 15379, 15381, 15383, 15392, 15394, 15419, 15420	
\moveright	\narrower 20810	
. 10960, 14781, 21270	\NAT@bibitem@first@sw 15076	
\mp@footgroupv@r 9104, 9149, 9181, 9290, 9393, 9502, 9611, 9720, 9829, 9938, 10047, 10217, 10279	\nb 15379, 15382, 15383, 15392, 15393, 15414, 15430, 15431	
\mp@LTRfootgroupv@l 9096, 9108, 10218, 10280	\NC@find 18741	
\mpfootnoterule 11167, 11171	\NC@rewrite@X 18740	
\msg 13812, 13815, 13863, 13866, 13881, 13884, 13926	\NeedsTeXFormat 1494, 1937, 1993, 2126, 2318, 2567, 2635, 4400, 4966, 5508, 5654, 5770, 5797, 5946, 5970, 6035, 7752, 7850	
\MT . 8321, 8327, 8329, 13663	\new@command .. 2920, 2922	
\mult@cols 14877	\new@poem@width ... 6122, 6123, 6124, 6125, 6210, 6252, 6255	
\mult@footnotetext 151, 153, 14865, 14867, 14878	\newblock . 2565, 6222, 6329, 15070, 15072	
\mult@gfirstbox 14795, 14812, 14818		
\mult@info 14769		
\mult@LTRfootnotetext 155, 157, 14869, 14871, 14882		
\mult@rightbox 14762, 14802, 14803, 14805, 14827, 14828, 14831		



4032, 4040, 4042,	10986,	11045,	3615, 5991, 6179,
4051, 4053, 4064,	11050,	11052,	7755, 7757, 7759,
4066, 4067, 4071,	11058,	11074,	7761, 7826, 7853,
4075, 4145, 4155,	11098,	11110,	7855, 7857, 7859,
4159, 4164, 4198,	11164,	11210,	7922, 8824, 8825,
4236, 4259, 4260,	11211,	11212,	11041, 11049,
4261, 4293, 4294,	11265,	11267,	13670, 20235, 20236
4295, 4296, 4307,	11973,	13149,	\newinsert 1598,1879,
4404, 4405, 4406,	13160,	14836,	4794, 4795, 4796,
4407, 4429, 4432,	14839,	14842,	4797, 4798, 4799,
4459, 4486, 4487,	16771,	16772,	4800, 4801, 4802,
4488, 4489, 4504,	17320,	17321,	4803, 4804, 4805,
4523, 4559, 4561,	18019,	18020,	4806, 4807, 4808,
4562, 4567, 4568,	20237,	20239,	4809, 4810, 4811,
4570, 4571, 4578,	20544,	20545,	4812, 4813, 4814,
4579, 4580, 4588,	20593,	20594,	4815, 4816, 4817,
4591, 4679, 4697,	20669,	20791,	4818, 4819, 4820,
4907, 4915, 4925,	20792,	20894,	4821, 4822, 4823,
4928, 4936, 5105,	21022, 21023, 21220		4824, 4825, 4826,
5106, 5107, 5108,	\newcount 1769,		4827, 4843, 4844,
5109, 5110, 5111,	1940, 1941, 2569,		4845, 4846, 4847,
5112, 5113, 5114,	2579, 2583, 3446,		4848, 4849, 4850,
5115, 5116, 5117,	3549, 3701, 3762,		4851, 4852, 4853,
5118, 5119, 5120,	3842, 9150, 20886		4854, 4855, 4856,
5121, 5122, 5123,	\newcounter 5188,6313,		4857, 4858, 4859,
5124, 5125, 5126,	10879, 11043,		4860, 4861, 4862,
5127, 5128, 5129,	19263, 19267, 19268		4863, 4864, 4865,
5130, 5139, 5189,	\newdimen . 6068,6069,		4866, 4867, 4868,
5208, 5227, 5249,	6119, 9150, 11702		9139,9144,9147,9148
5255, 5280, 5281,	\newenvironment . . .		\newlength
5315, 5471, 5472,	2078,2089,2098,		2447,2448,2449,
5473, 5481, 5490,	2107, 2542, 4538,		2451, 2452, 2453,
5499, 5512, 5513,	4553, 4556, 4594,		2455, 2456, 2539,
5636, 5689, 5769,	4721, 6302, 6366,		4520, 4521, 4522,
5782, 5816, 5817,	12848, 20747,		4576, 4593, 5381,
5818, 5819, 5820,	20756, 20765, 20774		7907, 7909, 7911,
5821, 5822, 5823,	\newfloat@setwithin		7913,7915,19295,
5874, 5888, 6064,	. . . . . 15103,		19297, 19298, 19925
6071, 6080, 6084,	15109, 15117, 15119		\newline 2510,4755
6094, 6113, 6317,	\newfloat@Error . . 15122		\newlinechar 1820
6318, 7923, 8117,	\newfloat@setwithin		\newlinetospace . . .
8118, 8127, 8134,	. . . . . 15089		4752,4772,4773,
8150, 8156, 8172,	\newif 1554,1555,1559,		4774,6011,6012,6013
8179, 8826, 8840,	1560, 1563, 1564,		\NewList 3649
8867, 8871, 8877,	1565, 1566, 1567,		\newlistentry 19260,19327
8883, 9037, 9040,	1568, 1569, 1571,		\newpage 458,480,809,
10180, 10245,	1572, 1858, 1859,		829, 1061, 1081,
10502, 10541,	1860, 1861, 1862,		1311, 1331, 4262,
10542, 10543,	1863, 2320, 2349,		4264, 4268, 4273,
10544, 10983,	2528, 2576, 3133,		4274, 4277, 4281,



4283, 4286, 5907,	647, 648, 662, 688,	20080, 20085,
5944, 5945, 6853,	875, 876, 890, 906,	20093, 20194,
6875, 7749, 8574,	1130, 1131, 1145,	20195, 20199,
8594, 8671, 8693,	1172, 4324, 5308,	20876, 20877, 20881
10674, 10694,	5648, 5649, 6133,	\nobreakspace 554
13549, 14353,	6135, 6141, 6426,	\node . 20280, 20310, 20316
15941, 15961,	6427, 6441, 6465,	\noexpand 386,
16082, 16104,	6603, 6604, 6618,	2150, 2151, 2165,
16326, 16348,	6642, 6756, 6764,	2166, 2193, 2196,
16508, 16530,	6776, 6905, 6921,	2199, 2604, 2645,
16915, 17464, 18163	6951, 6956, 6964,	2654, 2658, 2678,
\newpoem@tabcr	7182, 8455, 8468,	2682, 2781, 2883,
. . . 6330, 6339, 6340	8483, 8487, 8495,	2884, 2886, 3112,
\newsavebox 2077,	8722, 8745, 8750,	3113, 3114, 3116,
4537, 4572, 4573	8759, 8803, 8804,	3117, 3142, 3144,
\newskip	10558, 10574,	3162, 3163, 3164,
2115, 2116, 2117,	10583, 10587,	3167, 3174, 3175,
2923, 10155, 11564	10595, 12903,	3176, 3178, 3184,
\newthought 5710	12905, 12950,	3185, 3187, 3193,
\newtoks 2128,	13659, 13727,	3194, 3196, 3255,
2649, 2650, 3447,	14732, 14743,	3257, 3258, 3466,
3448, 3618, 3631,	14744, 14755,	3612, 3617, 3623,
3649, 3701, 6120,	14756, 15618,	3663, 3691, 3694,
11051, 15472, 20549	15620, 15773,	3697, 3698, 3782,
\newXeTeXintercharclass	15774, 15788,	3789, 3792, 3793,
. 1771, 1772	15812, 16145,	3810, 3814, 3816,
\next 20917, 20920	16146, 16160,	3817, 3818, 3826,
\next@tpage	16184, 16375,	3827, 3828, 3831,
. . 16845, 16877,	16391, 16560,	3832, 3833, 3868,
16887, 16890,	16576, 16605,	3929, 4090, 4091,
16958, 17394,	16609, 16617,	4093, 4229, 4334,
17426, 17436,	17012, 18012,	4368, 4369, 5157,
17439, 17507,	18893, 18910,	5159, 5167, 5560,
18093, 18125,	18917, 19058,	5563, 5569, 5572,
18135, 18138, 18206	19061, 19089,	6261, 6264, 6267,
\ninecolumnfootnotes	19090, 19112,	6319, 7531, 7706,
. 9923	19113, 19129,	8059, 8111, 10881,
\no@bib@break	19130, 19146,	10882, 10887,
. 17037, 17617, 18300	19147, 19163,	10888, 10940,
\noalign 1367,	19164, 19180,	11715, 11725,
6233, 9160, 13549,	19181, 19197,	12433, 12443,
13550, 13551,	19198, 19215,	12451, 12452,
17179, 17204,	19216, 19234,	12453, 12455,
17206, 17759,	19235, 19254,	12481, 12489,
17784, 17786,	19255, 19289,	12490, 12491,
18442, 18467, 18469	19290, 19325,	12493, 12522,
\nobibliography . . . 5185	19483, 19484,	12523, 12524,
\nobidilogo 1908	19590, 19592,	12526, 12553,
\nobreak 14, 16, 209, 211,	19640, 19672,	12554, 12555,
510, 528, 555, 559,	19677, 19680,	12557, 12584,



12585,	12586,	17992,	17998,	5740,	6752,	6772,
12588,	13578,	18004,	18013,	6842,	6845,	6947,
13626,	13629,	18056,	18093,	6962,	8288,	8293,
14191,	14457,	18206,	18389,	8299,	8480,	8493,
17034,	17035,	18394,	20258,	8563,	8566,	8660,
17614,	17615,	20261,	20263,	8663,	8741,	8757,
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18605,	18677,	20272,	20274,	9013,	9017,	9019,
18714,	18715,	20330,	20392,	9025,	9029,	9031,
18788,	18795,	\nointerlineskip . .		10580,	10593,	
19270,	19742,	. . . . 7976, 7997,		10663,	10666,	
19775,	19782,	11385, 13710,		12850,	12885,	
19787,	19788,	14779, 21195, 21203		12890,	12936,	
19848,	20219,	\nopagebreak		13703,	14343,	
20220,	20221,	. . 6187, 6197, 13551		14757,	15182,	
20222,	20223,	\nopagenumbers 2529		15195,	15931,	
20224,	20225,	\normalbaselines . 20651		15933,	16072,	
20226,	20227,	\normalbaselineskip		16074,	16268,	
20469,	20484,	311, 4445, 10225,		16275,	16311,	
20512,	20518,	10236, 10287,		16318,	16497,	
20531,	20840,	10298, 13691, 15692		16500,	16602,	
\noindent 448, 623, 632,		\normalcolor . . . 2295,		16615,	19315,	
930,	1182,	7143, 7354, 7419,		19320,	19321,	
1974,	4547,	8416, 9068, 9092,		19679,	19978,	
5331,	5349,	9100, 9108, 9122,		20200, 20882, 21323		
5484,	5493,	10496, 10509,		\normalfootnotes . .		
5712,	5732,	11341, 11394,		. . . . . 8970, 8981		
5895,	5897,	11599, 11646,		\normallineskip . . .		
6475,	6663,	11747, 11757,		. 2387, 13690, 15691		
7039,	8564,	11764, 12936,		\normalparindent 42,		
8806,	8869,	13729, 14757,		56, 72, 245, 259, 274		
10336,	10348,	19978, 20200,		\normalRTLparaLTRfootnotes		
10385,	10399,	20446, 20882,		. . . . . 10245		
10413,	10425,	20955, 21004,		\normalsfcodes		
10435,	10444,	21034, 21050,		. . . . . 10953, 21263		
10453,	10664,	21061, 21069,		\normalsize 307,		
11793,	13089,	21276, 21292, 21323		4438, 4439, 4446,		
14417,	15749,	\normalfont 25,		5013, 5057, 5101,		
15758,	16199,	38, 52, 68, 85,		5195, 5214, 5233,		
16208,	16274,	241, 255, 270, 288,		5611, 7810, 7902,		
16317,	16498,	447, 450, 552, 799,		10951, 14475,		
16808,	16845,	801, 1053, 1301,		16357, 16815,		
16958,	17012,	1303, 1973, 1976,		16822, 17364,		
17126,	17131,	2040, 2045, 2046,		17371, 18063,		
17357,	17394,	2048, 2049, 2050,		18070, 19679,		
17507,	17706,	2051, 2052, 2053,		21117, 21161, 21261		
17711,	17927,	2054, 4486, 5105,		\NOT . . 4640, 4641, 4680,		
17956,	17962,	5106, 5107, 5195,		4700, 4704, 5387,		
17968,	17974,	5214, 5233, 5299,		5416, 5445, 5527, 5531		
17980,	17986,	5534, 5541, 5548,		\null . . . 413, 427, 481,		



621, 624, 740, 769, 830, 928, 931, 992, 1021, 1082, 1180, 1183, 1242, 1271, 1332, 5648, 6222, 6473, 6476, 6529, 6558, 6661, 6664, 6706, 6735, 6808, 6822, 6876, 8531, 8545, 8595, 8626, 8640, 8694, 10631, 10645, 10695, 14733, 14743, 14744, 14755, 14756, 15747, 15750, 15872, 15901, 15962, 16011, 16040, 16105, 16197, 16200, 16276, 16290, 16349, 16463, 16477, 16531, 16854, 16876, 16887, 16958, 16966, 17403, 17425, 17436, 17507, 17515, 18102, 18124, 18135, 18206, 18214, 18630, 18636, 18658, 19058, 19089, 19112, 19129, 19146, 19163, 19180, 19197, 19215, 19234, 19254, 19289, 19640, 20080, 20194, 20876	... 4733, 13205, 13210, 14469, 18988, 19990, 20208, 20211, 20214 \numberline@box 19643, 19644 \numberline@tempa 20210 \numberwithin 329 \numexpr .. 2931, 4341, 19460, 19568, 19742 \nxLcs ... 2056, 2057, 2058 O \obeylines ... 6223, 6331 \ocgbase ... 14247, 14249 \oddpaper 1941, 1945, 1946, 1947, 1950, 1951, 1952 \oddsidemargin 1963, 2358, 8267, 11949, 11958, 11962, 21245, 21249 \on@stripcols@break 7615 \onecolumn 597, 613, 862, 1114, 2396, 6410, 6587, 6797, 15739, 15994, 16453, 19023 \opening 8791, 12938 \OptArg 2057, 2123 \OptArg@i 2123, 2124 \OptArg@ii ... 2123, 2125 \OptArgs 2122 \optparams 4614, 5471, 5472, 5473, 5475, 5476, 5477 \OR 4608, 4680, 4700, 4704, 4956 \or 1403, 1404, 1405, 1407, 1408, 1428, 1429, 1430, 1434, 1435, 1436, 1437, 1438, 1442, 1443, 1471, 1472, 1473, 1475, 1476, 1657, 1663, 1669, 1675, 1681, 1687, 1689, 1691, 1693, 1699, 1705, 1711, 1724, 1732, 1739,	1749, 7114, 7115, 7116, 7118, 7119, 12277, 12281, 19302, 19305, 19308, 20133, 20244, 20251, 20473, 20522, 20909, 20910, 20912 \orig@footnotetext .. 152, 14866, 14881 \orig@LTRfootnotetext .. 156, 14870, 14885 \orig@RTLfootnotetext .. 160, 14874, 14889 \origin@RaggedLeft .. 15720, 15722, 15723 \origin@RaggedRight .. 15721, 15722, 15723 \originalHbadness 20306, 20324 \othermargin 872 \outer 1934 \outer@nobreak 2313, 5007, 5051, 5095, 21111, 21155 \outputpenalty 7505, 7506, 7514, 7515, 7524, 7525, 7679, 7680, 7688, 7689, 7698, 7699, 13634, 13635 \overfullrule 2347, 2348, 15601 \OVP@calc 15177 P \p@ ... 27, 29, 30, 31, 99, 103, 219, 223, 231, 233, 234, 235, 311, 414, 503, 520, 532, 534, 536, 538, 590, 595, 606, 610, 639, 655, 673, 680, 716, 722, 741, 855, 859, 866, 882, 899, 917, 952, 954, 957, 959, 993, 1107, 1111, 1122, 1138, 1156, 1164, 1196, 1202, 1243, 1599, 1880,
\number 8, 139, 203, 2603, 2604, 2610, 2615, 3128, 3733, 3848, 3854, 3860, 3863, 3869, 3873, 6205, 6306, 7983, 8004, 8049, 8055, 8058, 8101, 8107, 8110, 8339, 8342, 12897, 14853 \numberline		



2386, 2387, 2391,	14846,	14847,	6488, 6676, 6985,
2392, 4440, 4441,	14891,	14893,	8509, 8780, 10617,
4442, 4449, 4450,	14894,	14895,	12851, 15840,
4451, 4453, 4454,	15732,	15736,	16234, 16428,
5659, 5660, 5661,	15765,	15781,	16631, 17041,
5663, 5664, 5730,	15797,	15804,	17621, 18304, 18960
6403, 6407, 6418,	15819,	15825,	\p@subfigure 18688
6434, 6450, 6457,	15873,	15987,	\p@subtable 18689
6496, 6502, 6530,	15991,	16012,	\PackageError
6580, 6584, 6595,	16137,	16153,	. . . . . 144, 2715,
6611, 6627, 6634,	16169,	16176,	2747, 2750, 2755,
6649, 6655, 6707,	16242,	16248,	2758, 2763, 2766,
6751, 6757, 6762,	16277,	16369,	2771, 2774, 2925,
6766, 6768, 6771,	16383,	16399,	4278, 4405, 5513,
6774, 6778, 6780,	16401,	16403,	10182, 13140,
6790, 6795, 6809,	16405,	16446,	13147, 13315,
6898, 6913, 6926,	16451,	16464,	13318, 13321,
6928, 6930, 6932,	16553,	16568,	13324, 13327,
6946, 6952, 6957,	16581,	16583,	13330, 13333,
6960, 6965, 7197,	16585,	16587,	13336, 13340,
7207, 7220, 7230,	16601,	16606,	13343, 13346,
7243, 7253, 7266,	16610,	16613,	13349, 13352,
7276, 7638, 7961,	16618,	16816,	13355, 13358,
7962, 8447, 8461,	16820,	16823,	13361, 13364,
8517, 8519, 8521,	16827,	17072,	13367, 13370,
8523, 8532, 8627,	17075,	17077,	13373, 13376,
8716, 8740, 8746,	17080,	17231,	13379, 13382,
8751, 8755, 8760,	17250,	17365,	13385, 13388,
8816, 8818, 8820,	17369,	17372,	13391, 13394,
8822, 8865, 8866,	17376,	17652,	13397, 13400,
10551, 10566,	17655,	17657,	13403, 13406,
10579, 10584,	17660,	17811,	13409, 13412,
10588, 10591,	17830,	17933,	13415, 13418,
10596, 10599,	17935,	17937,	13421, 13424,
10601, 10603,	17939,	18064,	13427, 13430,
10605, 10632,	18068,	18071,	13433, 13436,
10733, 11130,	18075,	18335,	13439, 13442,
11132, 11133,	18338,	18340,	13445, 13448,
11134, 11135,	18343,	18494,	13451, 13454,
11136, 11168,	18513,	19021,	13457, 13460,
11820, 11827,	19296,	19464,	13463, 13466,
11866, 11873,	19467,	19471,	13469, 13472,
11918, 12865,	19572,	19575,	13475, 13478,
12869, 12878,	19579,	19909,	13481, 13484,
12880, 12881,	19912,	19916,	13487, 13490,
12882, 12934,	19922,	20004,	13493, 13496,
12952, 12954,	20188, 20870, 21333		13499, 13502,
12956, 12958,	\p@enumiv 86,		13505, 13508,
14395, 14725,	289, 573, 708,		13511, 13514,
14737, 14749,	971, 1221, 2557,		13517, 13520,



13523, 13526,	2328, 2331, 2334,	8483, 8486, 8494,
13529, 14858,	2337, 2340, 2341, 8244	8534, 8540, 8542,
18921, 19274, 20896	\paperwidth	8543, 8560, 8599,
\PackageInfo	2323, 2326, 2329,	8605, 8609, 8629,
. . . . 2927, 3966,	2332, 2335, 2338,	8635, 8637, 8638,
4068, 4215, 4407,	2341, 2342, 8244, 8252	8657, 8700, 8706,
13023, 15703, 20230	\par . . . 5, 15, 46, 60, 76,	8710, 8721, 8745,
\PackageWarning . . .	107, 108, 109, 110,	8750, 8759, 8793,
. 138, 2926, 3325,	200, 210, 227, 228,	8798, 8801, 8803,
3440, 4069, 4098,	229, 249, 263, 278,	8804, 8814, 9115,
6308, 7764, 7862,	310, 313, 397, 416,	9221, 9224, 9227,
10883, 11519,	422, 424, 425, 444,	9327, 9330, 9333,
12981, 12993,	487, 493, 497, 509,	9433, 9436, 9439,
14789, 14852,	528, 555, 558, 624,	9542, 9545, 9548,
14937, 14944,	634, 648, 661, 688,	9651, 9654, 9657,
15083, 19265, 19656	749, 759, 766, 767,	9760, 9763, 9766,
\PackageWarningNoLine	795, 834, 840, 844,	9869, 9872, 9875,
. 2590, 4265	876, 890, 905, 931,	9978, 9981, 9984,
\page@sofar . . . 164, 14761	945, 1001, 1011,	10087, 10090,
\pagebreak	1018, 1019, 1047,	10093, 10425,
. 13550, 20376, 20385	1086, 1092, 1096,	10435, 10444,
\pagecontents 15536	1131, 1144, 1172,	10453, 10557,
\pagedepth 20370	1183, 1193, 1251,	10574, 10583,
\pagefillstretch . 20382	1261, 1268, 1269,	10587, 10595,
\pagefilstretch . . 20381	1297, 1337, 1343,	10634, 10640,
\pagefootnoterule .	1348, 1353, 1356,	10642, 10643,
. 11166, 11174	1934, 1970, 2311,	10660, 10699,
\pagegoal 11413, 11415,	4634, 4642, 4701,	10705, 10709,
11420, 11427,	4702, 4705, 4706,	10877, 11337,
11468, 11470,	4731, 4740, 4741,	12873, 12874,
13640, 14695, 20373	4910, 4926, 5650,	12875, 12894,
\pageinwindow 7299	5765, 5766, 5767,	12904, 12912,
\pagenumbering 2394, 5995	5768, 5893, 5895,	12940, 12945,
\pageref 2533, 2535	5897, 5915, 5916,	12948, 12950,
\pageshrink . . . 11429,	5917, 6091, 6198,	13040, 13181,
11433, 11449,	6212, 6223, 6241,	13583, 13683,
11475, 11487, 20376	6323, 6331, 6356,	13706, 13710,
\pagestretch . . 11428,	6427, 6440, 6465,	14339, 14411,
11449, 11487, 20380	6476, 6538, 6548,	14417, 14423,
\pagestyle	6555, 6556, 6604,	14427, 14433,
1939, 2385, 2393,	6617, 6642, 6664,	14448, 14467,
2536, 4760, 5996, 7848	6715, 6725, 6732,	14476, 14733,
\pagetotal . . . 11415,	6733, 6756, 6764,	14745, 14758,
11420, 11426,	6776, 6811, 6817,	14996, 15008,
14352, 14693,	6819, 6820, 6839,	15070, 15343,
14696, 14707,	6882, 6888, 6892,	15514, 15515,
20368, 20373, 20431	6904, 6921, 6951,	15516, 15517,
\paperheight	6956, 6964, 7041,	15610, 15611,
. . . . 2322, 2325,	7182, 7599, 7969,	15618, 15619,
	7990, 8455, 8467,	15679, 15750,



15760,	15774,	17541,	17701,	12086,	12117,
15787,	15812,	17705,	17706,	12118,	12121,
15881,	15891,	17710,	17711,	12122,	12179,
15898,	15899,	17715,	17926,	12180,	12183,
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15972,	15976,	17968,	17974,	12210,	12214,
16020,	16030,	17980,	17986,	12216,	13587,
16037,	16038,	17992,	17998,	14405,	14434,
16068,	16112,	18004,	18006,	14994,	14996,
16118,	16123,	18009,	18012,	14997,	14999,
16128,	16131,	18016,	18055,	15001,	15002,
16146,	16159,	18100,	18105,	15004,	15006,
16184,	16200,	18108,	18110,	15008,	15009,
16210,	16274,	18115,	18118,	15011,	15013,
16279,	16285,	18120,	18122,	15014,	15015,
16287,	16288,	18128,	18136,	15016,	15017,
16307,	16317,	18142,	18212,	15018,	15020,
16355,	16360,	18218,	18221,	15021,	15022,
16363,	16374,	18223,	18229,	15023,	15024,
16391,	16466,	18232,	18234,	15025,	15026,
16472,	16474,	18237,	18240,	15027,	15028,
16475,	16494,	18384,	18388,	15029,	15031,
16537,	16543,	18389,	18393,	15032,	15033,
16547,	16559,	18394,	18398,	15034,	15036,
16576,	16605,	18719,	19326,	15037,	15038,
16609,	16617,	19332,	19485,	15039,	15041,
16807,	16852,	19591,	19672,	15042,	15043,
16857,	16860,	20099,	20201,	15044,	15045,
16862,	16867,	20258,	20259,	15046,	15048,
16870,	16872,	20265,	20266,	15049,	15050,
16874,	16880,	20268,	20276,	15051,	15052,
16888,	16894,	20329,	20595,	15053,	15055,
16964,	16970,	20596,	20597,	15056,	15057,
16973,	16975,	20598,	20748,	15058,	15059,
16981,	16984,	20757,	20766,	17187,	17767,
16986,	16989,	20775,	20844,	17956,	17962,
16992,	17012,	20883, 21312, 21333		17968,	17974,
17121,	17125,	\par@updaterelative		17980,	17986,
17126,	17130,	..... 16848,		17992,	17998,
17131,	17135,	16960, 17397,		18004, 18015, 18450	
17356,	17401,	17509, 18096, 18208		\parfillskip . 13, 208,	
17406,	17409,	\paragraph 5546		507, 524, 643, 659,	
17411,	17416,	\paragraphfootnotes		684, 870, 886, 903,	
17419,	17421,	..... 10185, 10191		1126, 1142, 1168,	
17423,	17429,	\parbox ... 2482, 2484,		5641, 6217, 6422,	
17437,	17443,	7836, 8809, 10758,		6438, 6461, 6599,	
17513,	17519,	10759, 10760,		6615, 6638, 6902,	
17522,	17524,	10764, 10765,		6917, 7069, 7188,	
17530,	17533,	10766, 12078,		8451, 8465, 8719,	
17535,	17538,	12080, 12084,		10353, 10357,	



10361,	10555,	9755, 9864, 9973,	17917,	17924,	
10570,	12902,	10082,	10352,	18043,	18052,
13690,	14726,	10356,	10360,	20595,	20597,
14738,	14750,	10461,	10470,	20715,	20750,
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15769,	15785,	10664,	11792,	20761,	20762,
15808,	16141,	12869,	12901,	20763,	20768,
16157,	16180,	13686,	14727,	20770,	20771,
16372,	16387,	14739,	14751,	20772,	20777,
16557,	16572,	15063,	15634,	20779, 20780, 20781	
18872,	18901,	15647,	15660,	\parskip	103,
18931,	19050,	15671,	15735,	223, 595, 610, 859,	
19081,	19104,	15771,	15784,	1111, 1967, 2390,	
19121,	19138,	15807,	15867,	4463, 5134, 5685,	
19155,	19172,	15884,	15990,	5693, 5756, 5911,	
19189,	19207,	16006,	16023,	6215, 6247, 6325,	
19226,	19246,	16143,	16156,	6360, 6407, 6584,	
19281,	19476,	16179,	16274,	6795, 7505, 7514,	
19584,	19610,	16317,	16354,	7524, 7679, 7688,	
19612,	19672,	16371,	16386,	7698, 8797, 8800,	
20073,	20075,	16450,	16498,	8802, 8804, 12869,	
20189, 20786, 20871		16556,	16571,	12944,	12947,
\parindent	12,	16602,	16614,	12949,	13686,
42, 56, 72, 103,		16808,	17357,	13695,	15349,
207, 223, 245, 259,		17927,	18056,	15682,	15736,
274, 448, 506, 523,		18882,	18919,	15991,	16354,
550, 594, 609, 645,		19020,	19051,	16451,	17949,
658, 683, 735, 752,		19082,	19105,	19021,	20009,
858, 873, 885, 902,		19122,	19139,	20367, 20371, 20685	
939, 987, 1004,		19156,	19173,	\part	23, 12888
1050, 1110, 1128,		19190,	19208,	\partname	554, 8482
1141, 1167, 1237,		19227,	19247,	\partopsep 5706, 14390,	
1254, 1974, 2389,		19282,	19475,	14392, 15139, 15159	
4462, 5133, 5642,		19583,	19614,	\PassOptionsToClass	
5684, 5692, 5757,		20009,	20070,	5948, 5949, 5950,	
5910, 6216, 6326,		20071,	20190,	5951, 5952, 5972,	
6406, 6424, 6437,		20686,	20786,	5973, 5974, 5975, 5976	
6460, 6524, 6541,		20811, 20812, 20872		\PassOptionsToPackage	
6583, 6601, 6614,		\parsep . . .	942, 4454,	. . . . .	4965, 5795
6637, 6701, 6718,		4455, 5664, 5665,		\pbs	15203, 15224
6752, 6772, 6794,		5703, 5730, 20685		\pbs@newkey	15207
6843, 6901, 6916,		\parshape	7038,	\pdfencryptsetup . .	
6947, 6961, 7065,		11541,	11549,	. . .	1650, 1651, 1759
7096, 7187, 8450,		13090,	15145,	\pdfstringdefDisableCommands	
8464, 8478, 8491,		15165,	15349,	. . . . .	12808
8564, 8661, 8718,		15514,	15516,	\penalty 744, 996, 1246,	
8741, 8756, 8868,		16273,	16316,	6137, 6466, 6533,	
9136, 9216, 9322,		16795,	16804,	6643, 6710, 6922,	
9428, 9537, 9646,		17344,	17353,	7026, 7032, 7503,	



7512, 7522, 7677, 7686, 7696, 10154, 10354, 10358, 10362, 10575, 11450, 15813, 15876, 16015, 16185, 16392, 16577, 19486, 19997, 20105, 20372	\pgfsys@discardpath 15328 \pgfsys@endpicture 15331 \pgfsys@endscope . 15330 \pgfsys@markposition 15292 \pgfsys@typesetpicturebox 15335 \pgfutil@gobble .. 15282 \pgfutil@ifnextchar 15289 \phantom ... 13937, 14784 \phantomsection ... 2480 \phone 2440 \phonesymbol 2400, 7843, 7941 \photo 2445 \picbox 15454 \picinwindow 7319 \picwd 15342, 15345, 15453, 15455 \plainauthor 4772, 5815, 5817, 5856, 5857, 5860 \plainfootnotes ... 8981 \plainpublisher 5818, 5883, 5884 \plaintitle 4773, 4774, 5815, 5816, 5839, 5840, 5843, 6011, 6013 \plitemsep 5704 \plparsep 5703 \plpartopsep 5706 \pRLE 1592, 1593, 1873, 1874 \pltopsep 5705 \poem@finish 6256, 6305, 6312 \poem@line 6175, 6181, 6232 \poem@linebegin 6132, 6190 \poem@lineend . 6133, 6196 \poem@lineparsebegin ... 6144, 6201, 6228 \poem@lineparseend ... 6170, 6182, 6239 \poem@lineversesep 6134, 6193 \poem@needrun .. 6126, 6253, 6307, 6309 \poem@obeylines 6227, 6303, 6343, 6367	\poem@prop ... 6208, 6317 \poem@startedfalse ... 6225, 6341, 6347 \poem@startedtrue 6183, 6184, 6224, 6333, 6335, 6340, 6348, 6350 \poem@verse 6121, 6191, 6194 \poem@width 6124, 6125, 6129, 6206, 6208, 6211, 6252 \poem@write@aux 6255, 6306, 6318 \poemblocksep 6118, 6222, 6329 \poemcolsepskip 6109, 6138 \poemextrabaseskip ... 6111, 6199, 6234 \poemmarginskip 6110, 6132, 6133 \poemskip 6112, 6212, 6243 \postbibhook 14483 \postdisplaypenalty 10851, 10865 \postmath 7032 \PotEndMark 8291, 8296, 8299 \predisplaydirection 15562, 15563, 21320, 21321 \predisplaypenalty 10850, 10864 \premath 7028 \prepare@bidi@copyins 11558, 11591, 11640, 11798 \prepare@multicols 14922 \preparefootins 11590, 11639 \prepnext@tok 1400, 1410, 1458, 1490, 7106, 7134 \presetkeys 20358 \presig@skip 18015 \prevdepth 4634, 4642, 8039, 8093, 14395, 14786 \pRLE 1594, 1595, 1875, 1876
--	--	---



\process@cols . 14762,	9856, 9882, 9895,	10547, 10723,
14795, 14812, 14818	9907, 9945, 9955,	10752, 10768,
\ProcessOptions ...	9965, 9991, 10004,	10845, 10875,
.... 2352, 4430,	10016, 10054,	10884, 10889,
5521, 5780, 5812,	10064, 10074,	11039, 11379,
5953, 5977, 7766, 7864	10100, 10113,	11556, 11799,
\ProcessOptionsX .. 1757	10125, 10320,	11926, 11968,
\protect 393,	10332, 10344,	12269, 12847,
1592, 1593, 1594,	10381, 10395,	12933, 12937,
1595, 1819, 1873,	10409, 11222,	12959, 13095,
1874, 1875, 1876,	11239, 11255,	13134, 13238,
2132, 2138, 2144,	11283, 11297, 11311	13532, 13661,
2150, 2159, 2165,	\protected@write 1718,	13669, 14327,
2989, 2990, 3617,	1722, 4300, 4311	14484, 14722,
3623, 4320, 4733,	\protected@xdef ...	14760, 14993,
10940, 11351,	.... 5395, 5424,	15060, 15088,
11365, 13205,	5453, 5836, 5853,	15126, 15147,
13210, 13571,	5869, 5880, 11187,	15167, 15201,
14469, 18709,	11196, 11350,	15227, 15275,
18710, 18714,	11355, 11364,	15339, 15567,
18722, 18988,	11370, 12452,	15608, 15624,
19332, 20538, 21224	12490, 12523,	15724, 15979,
\protected 1873,	12554, 12585, 12648	16256, 16438,
1875, 2925, 2926,	\providecommand ...	16641, 16770,
2927, 2937, 2945,	2397, 2398, 2399,	17319, 17910,
2947, 2953, 3139,	2400, 2401, 2402,	18018, 18593,
3155, 3171, 3194,	2413, 2414, 2415,	18600, 18660,
3196, 3246, 3299,	2416, 2417, 2418,	18686, 18691,
3312, 15478,	2419, 2420, 2421,	18725, 18800,
15488, 15498,	2422, 2423, 2424,	18830, 18849,
15506, 20555,	2425, 2426, 2427,	18866, 18895,
20565, 20575, 20584	2428, 2637, 5293,	18944, 19025,
\protected@edef . 43,	5300, 5301, 5710,	19333, 19988,
57, 73, 246, 260,	7827, 7832, 11073	20234, 20363,
275, 5332, 5350,	\ProvidesClass	20439, 20543, 21475
5368, 8897, 8911,	... 2319, 5947, 5971	\ProvidesPackage ..
8925, 8937, 8948,	\ProvidesExplPackage	.... 1497, 1938,
8959, 9188, 9198,	..... 13744	1994, 2127, 2568,
9208, 9234, 9247,	\ProvidesFile 1,	2636, 4401, 4967,
9259, 9297, 9306,	131, 165, 196, 326,	5509, 5655, 5771,
9315, 9340, 9352,	337, 342, 344, 403,	5798, 6036, 7753, 7851
9363, 9400, 9410,	598, 847, 1099,	\prune 15359,
9420, 9446, 9459,	1359, 6395, 6572,	15397, 15401,
9471, 9509, 9519,	6749, 6782, 6995,	15406, 15410,
9529, 9555, 9568,	7050, 7092, 7094,	15422, 15433, 15460
9580, 9618, 9628,	7097, 7135, 7178,	\prw@mkboth ... 18994,
9638, 9664, 9677,	7193, 7289, 7327,	18999, 19011, 19016
9689, 9727, 9737,	7955, 8120, 8239,	\psgrid 15571
9747, 9773, 9786,	8242, 8281, 8443,	\pspicture 15568
9798, 9836, 9846,	8616, 8790, 8823,	\psset 15606



\pst@dimb 15581, 15586, 15588, 15593, 15596	\quad 1637, 1907, 4772, 4773, 4774, 6011, 6012, 6013, 6118, 20652, 20661	18009, 18015, 18243, 18344, 18345, 18346, 18348, 20787, 20789, 20791, 20792
\pst@dimc 15599	\quote 2446	\RaggedLeftLeftskip 15643
\pst@dimd 15580, 15586, 15587, 15588, 15589, 15593, 15594, 15595, 15596, 15597	\quotecolour 2408, 7771, 7869	\RaggedLeftParfillskip 15646
\pst@hbox 15576, 15580, 15581, 15582, 15598, 15600, 15601, 15603	\quotefont 2417, 2425, 7811, 7904	\RaggedLeftParindent 15647
\pst@ifstar 15568	\quotestyle 2425, 7824, 7953	\RaggedLeftRightskip 15644
\pst@killglue 15572	\quotewidth 2447, 2459, 7824, 7953	\raggedpart 16996
\pst@picture 15568		\RaggedRight .. 15651,
\pst@shift 15573, 15595, 15603	R	15689, 15704, 15709, 15721, 15723, 18598, 18599, 21434, 21438, 21444, 21448
\pst@tempa . 15585, 15587	\R@@page 16646, 16647, 16656, 16658, 16689, 16690, 16701, 16703	\raggedright 25, 104, 224, 550, 6752, 6772, 6947, 6961, 8478, 8491, 8741, 8756, 8793, 8796, 8801, 8809, 10580, 10592, 12870, 12890, 12940, 12943, 12948, 14366, 14367, 15611, 15613, 15619, 16602, 16614, 16995, 16996, 17081, 17082, 17083, 17085, 17544, 17661, 17662, 17663, 18009, 18015, 18243, 18344, 18346, 18348, 19617, 19620, 19624, 19725, 20783, 20788, 20790, 20791, 20792
\publisher ... 5873, 5874	\raggedbottom 2395	\RaggedRightLeftskip 15656
\publishers 16945, 17494, 18193	\raggeddictum 17081, 17661, 18344	\RaggedRightParfillskip 15659
\put 7198, 7199, 7200, 7201, 7202, 7203, 7208, 7209, 7210, 7211, 7212, 7213, 7221, 7222, 7223, 7224, 7225, 7226, 7231, 7232, 7233, 7234, 7235, 7236, 7244, 7245, 7246, 7247, 7248, 7249, 7254, 7255, 7256, 7257, 7258, 7259, 7267, 7268, 7269, 7270, 7271, 7272, 7277, 7278, 7279, 7280, 7281, 7282, 8244, 8258, 8276, 15180, 15182, 15195, 15198	\raggeddictumauthor 17083, 17663, 18346	
	\raggeddictumtext . . 17082, 17662, 18345	
	\RaggedLeft ... 15638, 15687, 15703, 15707, 15720, 15722, 18598, 18599, 21434, 21438, 21442, 21450	
	\raggedleft 25, 104, 224, 550, 6752, 6947, 6961, 8478, 8491, 8741, 8756, 8793, 8796, 8801, 8809, 10580, 10592, 12870, 12890, 12940, 12943, 12948, 14366, 14367, 15611, 15613, 15619, 16602, 16614, 16995, 16996, 17081, 17082, 17083, 17085, 17544, 17661, 17662, 17663, 17665,	
Q		
\Q 5150, 5172		
\q 13832, 13835, 14064, 14118		
\qauthor 15609		
\qqquad 5586, 5593, 5600, 5607, 5614, 5649, 15611		



<code>\RaggedRightParindent</code>	13828, 13830,	1982, 1983, 1988,
..... 4460,	13874, 13875, 13887	1989, 1990, 1991,
5131, 5690, 15660	<code>\reinsert@footnotes</code>	2215, 2223, 2231,
<code>\RaggedRightRightskip</code>	..... 14923,	2282, 2352, 2611,
..... 5687, 15657	14925, 14953,	2616, 2622, 2637,
<code>\raggedsection</code>	14955, 14960,	2835, 2838, 2848,
. 16995, 17544, 18243	14962, 14967, 14969	2866, 2920, 2931,
<code>\raise</code> 10746, 12885	<code>\relax</code> . 2, 8, 10, 12, 14,	2944, 3128, 3132,
<code>\raisebox</code> . 4685, 4690,	28, 85, 103, 132,	3457, 3458, 3462,
4701, 4702, 4705,	166, 197, 203, 205,	3501, 3502, 3544,
4706, 8289, 8294,	207, 209, 223, 232,	3567, 3686, 3700,
8310, 8313, 8429,	288, 301, 319, 393,	3763, 3765, 3774,
12091, 12093,	407, 408, 409, 430,	3775, 3791, 3799,
12097, 12099,	431, 432, 433, 438,	3816, 3827, 3832,
12126, 12127,	439, 440, 441, 465,	3885, 3909, 3924,
12130, 12131,	466, 467, 468, 469,	3941, 3956, 3972,
12188, 12189,	474, 475, 476, 477,	3989, 4001, 4033,
12192, 12193,	501, 595, 610, 617,	4044, 4123, 4331,
12221, 12223,	647, 653, 671, 724,	4332, 4341, 4369,
12227, 12229, 13091	731, 732, 733, 737,	4434, 4932, 5141,
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<code>\rawtext</code> 15349,	778, 779, 780, 781,	5320, 5400, 5411,
15355, 15377,	784, 787, 791, 816,	5429, 5440, 5458,
15378, 15459, 15463	817, 818, 823, 824,	5469, 5527, 5724,
<code>\rbrace</code> 20641, 20650	825, 826, 859, 875,	5732, 5737, 5768,
<code>\rcb</code> . 2042, 2045, 2046, 2050	897, 915, 924, 958,	5953, 5977, 6073,
<code>\rcol@footinsskip</code> .	983, 984, 985, 989,	6078, 6081, 6088,
..... 11571, 11620	998, 1007, 1024,	6126, 6132, 6227,
<code>\realfootnote</code> 12645	1025, 1030, 1031,	6253, 6281, 6288,
<code>\recomputelengths</code> .	1032, 1033, 1036,	6295, 6307, 6343,
..... 2458, 2475	1039, 1043, 1068,	6407, 6414, 6426,
<code>\recomputethemelengths</code>	1069, 1070, 1075,	6432, 6448, 6504,
..... 2457,	1076, 1077, 1078,	6520, 6521, 6522,
2473, 7916, 7921	1111, 1118, 1130,	6526, 6535, 6544,
<code>\reflectbox</code> 11860	1136, 1154, 1204,	6561, 6562, 6567,
<code>\refname</code> 563,	1233, 1234, 1235,	6568, 6569, 6570,
564, 698, 699, 961,	1239, 1248, 1257,	6584, 6591, 6603,
962, 1211, 1212,	1274, 1275, 1280,	6609, 6625, 6657,
2544, 5745, 8499, 8500	1281, 1282, 1283,	6697, 6698, 6699,
<code>\refstepcounter</code> ...	1286, 1289, 1293,	6703, 6712, 6721,
..... 545, 8473,	1318, 1319, 1320,	6738, 6739, 6744,
10866, 12822,	1325, 1326, 1327,	6745, 6746, 6747,
13193, 13199,	1328, 1415, 1416,	6795, 6802, 6803,
13534, 14460,	1433, 1434, 1435,	6804, 6825, 6826,
15136, 15157, 18985	1655, 1661, 1667,	6827, 6828, 6833,
<code>\refvskip</code> 17950	1673, 1679, 1685,	6834, 6835, 6836,
<code>\regex</code> 13772,	1697, 1703, 1709,	6860, 6861, 6862,
13777, 13780,	1716, 1725, 1726,	6863, 6864, 6869,
13783, 13786,	1730, 1737, 1747,	6870, 6871, 6872,
13787, 13823,	1819, 1849, 1981,	6896, 7038, 7052,



7053, 7054, 7059,	10856, 10899,	15283, 15284,
7060, 7061, 7062,	10919, 10920,	15285, 15286,
7065, 7069, 7070,	10935, 11037,	15295, 15297,
7071, 7072, 7073,	11169, 11191,	15298, 15299,
7074, 7174, 7192,	11200, 11359,	15300, 15469,
7342, 7405, 7766,	11374, 11412,	15533, 15623,
7864, 7956, 7957,	11434, 11472,	15694, 15700,
7958, 7959, 7960,	11583, 11632,	15712, 15736,
7972, 7993, 8047,	12031, 12033,	15743, 15773,
8059, 8062, 8099,	12036, 12049,	15779, 15795,
8111, 8114, 8265,	12051, 12054,	15827, 15863,
8271, 8332, 8411,	12300, 12311,	15864, 15865,
8459, 8527, 8528,	12322, 12333,	15869, 15878,
8529, 8548, 8549,	12347, 12358,	15887, 15904,
8554, 8555, 8556,	12369, 12380,	15905, 15910,
8557, 8581, 8582,	12395, 12410,	15911, 15912,
8583, 8588, 8589,	12451, 12470,	15913, 15916,
8590, 8591, 8620,	12489, 12508,	15919, 15923,
8621, 8622, 8643,	12522, 12541,	15948, 15949,
8644, 8645, 8646,	12553, 12572,	15950, 15955,
8651, 8652, 8653,	12584, 12603,	15956, 15957,
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8680, 8681, 8682,	12750, 12779,	16000, 16001,
8687, 8688, 8689,	12850, 12869,	16002, 16008,
8690, 8714, 8860,	12879, 12891,	16017, 16026,
8861, 8862, 8863,	12897, 12899,	16043, 16044,
8864, 8993, 9173,	12901, 12903,	16045, 16046,
9217, 9282, 9323,	12988, 13000,	16051, 16052,
9385, 9429, 9494,	13007, 13008,	16053, 16054,
9538, 9603, 9647,	13012, 13013,	16057, 16060,
9712, 9756, 9821,	13022, 13090,	16064, 16089,
9865, 9930, 9974,	13571, 13708,	16090, 16091,
10039, 10083,	13711, 13714,	16092, 16093,
10157, 10188,	13715, 13716,	16098, 16099,
10198, 10204,	13722, 14330,	16100, 16101,
10227, 10256,	14331, 14332,	16145, 16151,
10262, 10289,	14333, 14334,	16167, 16193,
10307, 10543,	14394, 14498,	16250, 16255,
10544, 10549,	14598, 14724,	16260, 16261,
10627, 10628,	14726, 14727,	16262, 16293,
10629, 10648,	14730, 14736,	16294, 16295,
10649, 10654,	14738, 14739,	16296, 16301,
10655, 10656,	14742, 14748,	16302, 16303,
10657, 10681,	14750, 14751,	16304, 16333,
10682, 10683,	14754, 14850,	16334, 16335,
10688, 10689,	14892, 15186,	16336, 16337,
10690, 10691,	15187, 15188,	16342, 16343,
10728, 10730,	15231, 15236,	16344, 16345,
10734, 10781,	15241, 15250,	16367, 16451,
10817, 10846,	15258, 15280,	16457, 16458,



16459,	16480,	18191,	18192,	20039,	20043,
16481,	16482,	18193,	18194,	20048,	20053,
16483,	16488,	18195,	18196,	20061,	20065,
16489,	16490,	18197,	18198,	20074,	20075,
16491,	16515,	18273,	18336,	20086,	20094,
16516,	16517,	18341,	18502,	20105,	20111,
16518,	16519,	18519,	18607,	20115,	20119,
16524,	16525,	18644,	18707,	20136,	20140,
16526,	16527,	18722,	18732,	20189,	20190,
16551,	16816,	18734,	18763,	20193,	20241,
16817,	16823,	18918,	18936,	20249,	20390,
16824,	16826,	18937,	19021,	20473,	20522,
16835,	16836,	19030,	19048,	20537,	20614,
16837,	16897,	19051,	19054,	20671,	20683,
16923,	16924,	19079,	19082,	20734,	20814,
16925,	16926,	19085,	19102,	20817,	20819,
16927,	16940,	19105,	19108,	20871,	20872,
16941,	16942,	19119,	19122,	20875,	20895,
16943,	16944,	19125,	19136,	20904,	20908,
16945,	16946,	19139,	19142,	20943,	20990,
16947,	16948,	19151,	19153,	21327, 21328, 21329	
16949,	16950,	19156,	19159,	\remainx	14996
17011,	17073,	19168,	19170,	\remainxox .	15031, 15038
17078,	17239,	19173,	19176,	\remainxox	
17256,	17365,	19187,	19190,	. 15041, 15050, 15059	
17366,	17372,	19193,	19205,	\remainxx . .	14999, 15001
17373,	17375,	19208,	19211,	\remainxxx	
17384,	17385,	19224,	19227,	. . 15004, 15006,	
17386,	17446,	19230,	19244,	15008, 15033, 15036	
17472,	17473,	19247,	19250,	\remainxxxx . . .	15011,
17474,	17475,	19262,	19277,	15013, 15015,	
17476,	17489,	19279,	19282,	15017, 15043,	
17490,	17491,	19285,	19299,	15045, 15048,	
17492,	17493,	19329,	19330,	15052, 15055, 15057	
17494,	17495,	19331,	19460,	\remainxxxxx	
17496,	17497,	19481,	19568,	. . 15020, 15022,	
17498,	17499,	19594,	19606,	15024, 15026, 15028	
17547,	17563,	19608,	19614,	\remove@strip .	14506,
17571,	17579,	19631,	19635,	14536, 14606, 14636	
17590,	17653,	19647,	19649,	\renewcommand . . .	19,
17658,	17819,	19655,	19664,	20, 21, 22, 86, 168,	
17836,	18064,	19666,	19728,	214, 215, 216, 217,	
18065,	18071,	19742,	19776,	289, 329, 405, 444,	
18072,	18074,	19783,	19789,	446, 500, 517, 531,	
18083,	18084,	19850,	19909,	535, 539, 540, 541,	
18085,	18145,	19912,	19916,	542, 574, 614, 636,	
18171,	18172,	19922,	19967,	652, 670, 678, 691,	
18173,	18174,	20003,	20011,	693, 694, 695, 696,	
18175,	18188,	20012,	20014,	709, 715, 721, 727,	
18189,	18190,	20015,	20028,	728, 738, 795, 797,	



863, 880, 893, 896,	6527, 6588, 6592,	11009,	11011,
914, 921, 947, 948,	6608, 6624, 6632,	11013,	11015,
949, 950, 951, 956,	6646, 6648, 6654,	11016,	11017,
972, 979, 980, 990,	6677, 6683, 6684,	11018,	11019,
1047, 1049, 1115,	6685, 6686, 6687,	11020,	11022,
1119, 1135, 1153,	6688, 6690, 6692,	11024,	11026,
1162, 1175, 1195,	6694, 6704, 6800,	11028,	11029,
1201, 1206, 1207,	6839, 6841, 6895,	11030,	11031,
1208, 1209, 1222,	6910, 6925, 6929,	11032,	11033,
1229, 1230, 1240,	6933, 6935, 6937,	11034,	11044,
1297, 1299, 1970,	6939, 6940, 6941,	11113,	11380,
1972, 2344, 2345,	6942, 6943, 6944,	11927,	11937,
2346, 2382, 2383,	6967, 6986, 7051,	12851,	12908,
2388, 2437, 2441,	7056, 7078, 7085,	12909,	12910,
2472, 2477, 2558,	7095, 7179, 7184,	12911,	12934,
3883, 3907, 4239,	7194, 7217, 7240,	12938,	12951,
4244, 4264, 4277,	7263, 7290, 7306,	12955,	12964,
4299, 4310, 4438,	7767, 7807, 7808,	12965,	12966,
4447, 4488, 4606,	7809, 7810, 7811,	12967,	13597,
4609, 4610, 4614,	7812, 7813, 7814,	14328,	14339,
4615, 4767, 4768,	7828, 7833, 7865,	14362,	14363,
5117, 5118, 5119,	7899, 7900, 7901,	14364,	14365,
5120, 5121, 5122,	7902, 7903, 7904,	14366,	14367,
5123, 5124, 5125,	7905, 7906, 7916,	14368,	14369,
5179, 5294, 5303,	7928, 8116, 8117,	14371,	14373,
5324, 5342, 5360,	8118, 8240, 8243,	14375,	14377,
5475, 5476, 5477,	8247, 8263, 8416,	14378,	14380,
5559, 5568, 5620,	8417, 8444, 8458,	14381,	14388,
5628, 5652, 5657,	8510, 8516, 8520,	14389,	14391,
5668, 5669, 5670,	8525, 8560, 8562,	14397,	14398,
5671, 5672, 5673,	8612, 8613, 8614,	14994,	14997,
5674, 5740, 5745,	8615, 8618, 8657,	15002,	15009,
5747, 5748, 5765,	8659, 8713, 8727,	15018,	15029,
5766, 5767, 5768,	8729, 8731, 8733,	15034,	15039,
5825, 5826, 5827,	8734, 8735, 8736,	15046,	15053,
5829, 5833, 5834,	8737, 8738, 8762,	15070,	15072,
5835, 5839, 5840,	8781, 8791, 8804,	15089,	15131,
5846, 5850, 5851,	8815, 8819, 8889,	15152,	15228,
5852, 5856, 5857,	8903, 8917, 8931,	15237,	15609,
5862, 5866, 5867,	8942, 8953, 10548,	15612,	15621,
5868, 5877, 5878,	10563, 10598,	15625,	15638,
5879, 5883, 5884,	10602, 10618,	15651,	15664,
5906, 5930, 5992,	10625, 10660,	15676,	15740,
6005, 6010, 6018,	10662, 10712,	15762,	15778,
6411, 6415, 6431,	10713, 10714,	15794,	15802,
6447, 6455, 6469,	10715, 10716,	15816,	15818,
6489, 6495, 6501,	10717, 10719,	15824,	15841,
6506, 6507, 6508,	10721, 10846,	15847,	15848,
6509, 6510, 6511,	10856, 10876,	15849,	15850,
6513, 6515, 6517,	10885, 10990,	15851,	15852,



15854,	15856,	17245,	17247,	19028,	19075,
15859,	15860,	17249,	17255,	19094,	19116,
15870,	15927,	17325,	17329,	19133,	19150,
15929,	15996,	17333,	17337,	19167,	19184,
15997,	16009,	17363,	17370,	19202,	19220,
16068,	16070,	17377,	17390,	19221,	19240,
16134,	16150,	17392,	17454,	19241,	19260,
16166,	16174,	17456,	17501,	19328,	19602,
16188,	16190,	17545,	17546,	19624,	19901,
16212,	16213,	17554,	17555,	19903,	19905,
16214,	16215,	17558,	17559,	19921,	19928,
16216,	16217,	17562,	17570,	19930,	19932,
16219,	16221,	17578,	17597,	19935,	19939,
16235,	16241,	17622,	17651,	19944,	19948,
16247,	16252,	17656,	17661,	19952,	19966,
16258,	16266,	17662,	17663,	19971,	19973,
16307,	16309,	17664,	17667,	19976,	19980,
16366,	16380,	17740,	17758,	19983,	19989,
16395,	16398,	17780,	17782,	20109,	20216,
16402,	16406,	17803,	17805,	20238,	20256,
16408,	16410,	17807,	17810,	20278,	20290,
16412,	16413,	17816,	17824,	20326,	20789,
16414,	16415,	17826,	17829,	20790,	21021,
16416,	16429,	17835,	17911,	21022,	21023,
16455,	16494,	18024,	18028,	21333,	21375,
16496,	16550,	18032,	18036,	21377,	21378,
16565,	16580,	18062,	18069,	21379,	21431,
16584,	16588,	18076,	18089,	21433,	21435,
16590,	16592,	18091,	18153,	21437,	21441,
16594,	16595,	18155,	18200,	21443,	21447, 21449
16596,	16597,	18244,	18245,	\RenewDocumentCommand	
16598,	16599,	18249,	18250,	. . . . . 13930, 14263	
16632,	16776,	18253,	18254,	\renewenvironment 83,	
16780,	16784,	18257,	18261,	286, 562, 583,	
16788,	16814,	18265,	18280,	599, 619, 626, 697,	
16821,	16828,	18305,	18334,	848, 926, 933, 960,	
16841,	16843,	18339,	18344,	1100, 1178, 1185,	
16905,	16907,	18345,	18346,	1210, 4709, 4712,	
16952,	16997,	18347,	18350,	4715, 4718, 5716,	
16998,	16999,	18423,	18441,	5726, 5734, 5750,	
17002,	17003,	18463,	18465,	5961, 6396, 6471,	
17017,	17042,	18486,	18488,	6477, 6573, 6659,	
17071,	17076,	18490,	18493,	6665, 6783, 6974,	
17081,	17082,	18499,	18507,	7036, 7057, 7191,	
17083,	17084,	18509,	18512,	8498, 8769, 10606,	
17087,	17160,	18518,	18594,	10863, 11397,	
17178,	17200,	18597,	18867,	14479, 15061,	
17202,	17223,	18896,	18902,	15168, 15725,	
17225,	17227,	18934,	18947,	15745, 15752,	
17230,	17236,	18961,	18972,	15829, 15980,	



16195, 16202,	4207, 4227, 4229,	11249, 11250,
16223, 16417,	4233, 4240, 4242,	11279, 11280,
16439, 16620,	4321, 4322, 19620,	11293, 11294,
17006, 17586,	19621, 19624,	11307, 11308,
18269, 18948,	19625, 20105, 20106	21116, 21160, 21260
18951, 18977, 20653	\reserved@b 2241, 2242,	\ResetCounterPerPage
\renewrobustcmd ...	2701, 2705, 2706,	..... 1782, 2571
. 13699, 13725, 13736	4078, 4079, 4107,	\resizebox 11881
\renewtagform 13667	4165, 4167, 4184,	\restore@protect .. 2991
\repeat 1775,	4201, 4202, 4207,	\restoreCaptionSkip
1776, 3713, 3720,	4212, 4214, 4215,	..... 12062
7305, 7467, 7473,	4217, 4220, 4240, 4242	\restorecounters@ . 8343
7581, 7639, 7649,	\reserved@c 4180,	\restylefloat 4959
10168, 10177,	4183, 4184, 4188,	\resumename 2434
13050, 15367,	4199, 4212, 4226, 4230	\rightskip 19330
15414, 15425,	\reserved@d 2700,	\right 20641, 20650, 20652
15436, 15464, 18746	2705, 4200, 4219, 4232	\right@cor ... 14508,
\RequirePackage 1545,	\reset@dir . 15533, 20614	14509, 14608, 14609
1547, 1548, 1549,	\reset@font 37,	\right@footnoterule
1550, 1551, 1781,	51, 67, 240, 254,	..... 26, 230,
1995, 1996, 2354,	269, 5012, 5056,	407, 535, 721, 731,
2355, 2356, 2357,	5100, 5328, 5329,	956, 983, 1201,
2364, 2365, 2380,	5346, 5347, 5364,	1233, 6501, 6520,
2433, 4086, 4087,	5365, 8893, 8907,	6654, 6697, 6802,
4103, 4147, 4148,	8921, 8935, 8946,	6929, 8520, 8527,
4151, 4403, 4465,	8957, 9186, 9196,	8620, 8819, 10602,
4467, 4474, 4495,	9206, 9232, 9244,	10627, 11129,
4499, 4535, 4536,	9257, 9295, 9304,	11143, 11153,
4759, 4969, 4970,	9313, 9338, 9349,	11276, 11304,
4971, 4972, 5176,	9361, 9398, 9408,	12877, 12955,
5177, 5292, 5511,	9418, 9444, 9456,	14890, 15824,
5686, 5697, 5749,	9469, 9507, 9517,	15863, 16000,
5775, 5783, 5800,	9527, 9553, 9565,	16247, 16260,
5955, 5956, 5957,	9578, 9616, 9626,	16402, 16457,
5958, 5959, 5960,	9636, 9662, 9674,	16584, 16821,
5979, 5980, 5981,	9687, 9725, 9735,	16835, 17076,
5982, 5983, 5984,	9745, 9771, 9783,	17370, 17384,
21367, 21370,	9796, 9834, 9844,	17656, 17936,
21371, 21372, 21423	9854, 9880, 9892,	18069, 18083, 18339
\RequireXeTeX . 1546, 1857	9905, 9943, 9953,	\rightfootnoterule
\reserved@a 2261, 2265,	9963, 9989, 10001,	1690, 7957, 8861,
2271, 2274, 2277,	10014, 10052,	11141, 11788, 21329
2280, 2701, 2705,	10062, 10072,	\rightline ... 15566,
2976, 2977, 2978,	10098, 10110,	20799, 20803, 20805
4088, 4096, 4106,	10123, 10318,	\rightlinenumbers .
4108, 4115, 4117,	10330, 10342,	..... 13122, 13130
4122, 4124, 4125,	10379, 10393,	\rightmargin ... 941,
4128, 4131, 4167,	10407, 10951,	5702, 5721, 5729,
4168, 4169, 4171,	11216, 11217,	5735, 11534,
4178, 4181, 4206,	11233, 11234,	11538, 13065,



13066, 13087,	16390, 16395,	11946, 12935,
15619, 20676,	16396, 16556,	14784, 15552,
20687, 20693,	16571, 16574,	15930, 16071,
20699, 20707, 20711	16575, 18871,	16268, 16311,
\rightskip 12, 13, 207,	18876, 18887,	16497, 16843,
208, 305, 309, 506,	18900, 18904,	16907, 17392,
523, 526, 527, 617,	18924, 18927,	17456, 18091,
630, 641, 642, 647,	18932, 18936,	18155, 18635, 20624
658, 683, 686, 687,	18937, 19048,	\RLE . 1594, 1875, 12811,
868, 869, 875, 885,	19049, 19050,	15523, 15524,
888, 889, 902, 924,	19058, 19079,	15528, 20243,
1118, 1124, 1125,	19080, 19081,	20604, 20605, 20609
1130, 1141, 1167,	19089, 19102,	\rmfamily 727,
1170, 1171, 1189,	19103, 19104,	979, 1229, 5530,
5640, 5647, 5648,	19112, 19119,	5583, 5586, 5590,
6218, 6414, 6420,	19120, 19121,	5593, 5597, 5600,
6421, 6426, 6437,	19129, 19136,	5604, 5607, 5611,
6460, 6463, 6464,	19137, 19138,	5614, 15859, 15996
6591, 6597, 6598,	19146, 19153,	\romannumeral . . 3759,
6603, 6614, 6637,	19154, 19155,	3760, 6255, 6317,
6640, 6641, 6901,	19163, 19170,	8351, 8354, 8400,
6916, 6919, 6920,	19171, 19172,	10992, 10993,
7052, 7053, 7054,	19180, 19187,	10994, 10995,
7180, 7181, 7187,	19188, 19189,	10997, 10998,
8450, 8453, 8454,	19197, 19205,	10999, 11000,
8464, 8718, 9135,	19206, 19207,	11001, 11004,
10460, 10469,	19215, 19224,	11005, 11006, 20679
10554, 10569,	19225, 19226,	\rot@float@box 16649,
10572, 10573,	19234, 19244,	16650, 16651,
12901, 12902,	19245, 19246,	16665, 16674,
13689, 14362,	19254, 19279,	16692, 16693,
14363, 14726,	19280, 19281,	16694, 16695,
14730, 14731,	19289, 19329,	16696, 16712, 16723
14738, 14743,	19331, 20009,	\rot@label . 16645, 16688
14750, 14755,	20071, 20072,	\rot@LR 16656, 16701
15630, 15632,	20073, 20079,	\rot@mess@toks 16648,
15643, 15645,	20082, 20129,	16660, 16670,
15656, 15658,	20189, 20194,	16679, 16691,
15667, 15669,	20217, 20224,	16706, 16718, 16728
15743, 15756,	20593, 20594,	\rot@message 16679, 16728
15767, 15768,	20784, 20811,	\rot@pageref 16646, 16689
15773, 15784,	20812, 20871, 20876	\rotate 16742
15807, 15810,	\RL . . . 12812, 15523, 20604	\rotatebox
15811, 16139,	\rlap . . . 306, 447, 798,	. . 11035, 11994,
16140, 16145,	1300, 1973, 6842,	12043, 12256,
16156, 16179,	8563, 8660, 10663,	13756, 13764,
16182, 16183,	10758, 10764,	14286, 16665,
16193, 16206,	11386, 11819,	16674, 16712, 16723
16255, 16371,	11865, 11931,	\rotateframe 10997, 11034
16386, 16389,	11932, 11945,	



\rotFPbot 16666, 16673, 16713, 16722	9361, 9418, 9439, 9469, 9527, 9548,	\saved@dir . . . 15532, 15533, 20613, 20614
\rotFPtop 16664, 16675, 16711, 16724	9578, 9636, 9657, 9687, 9745, 9766,	\sbox 8423, 12025, 12042, 12977,
\rrb 2044, 2054	9796, 9854, 9875,	12985, 13030,
\rsb 2043, 2052	9905, 9963, 9984,	13175, 13588,
\RTL 15516, 20597	10014, 10072,	13755, 13763,
\RTL@column@boxes . . 14808, 14838, 14843	10093, 10123, 10342, 10362, 10407	13955, 14242, 14281, 14286,
\RTL@outputdblcol 7329, 10769, 11615, 14485, 20930, 21021, 21022	\RTLMarginnote 5499 \RTLMarginpar 21121 \RTLMulticolcolumns 14836	14399, 14414, 14446, 15169, 17097, 17111, 17151, 17677,
\RTLbiditufteesidenotemargin . . . 5061, 5361, 5502	\RTLSidenote . . 5231, 5473 \RTLthanks . 412, 432,	17691, 17731, 18360, 18374, 18414, 18886, 18903, 19645, 21310
\RTLcases . . 20651, 20654	467, 486, 5827,	\sc@temp 17955, 17956, 17961, 17962, 17967, 17968, 17973, 17974, 17979, 17980, 17985, 17986, 17991, 17992, 17997, 17998, 18003, 18004
\RTLcite 5288, 5408, 5437, 5466, 5488, 5497, 5506	5835, 5852, 5868, 5879, 6807, 6827, 6862, 6881, 8625, 8645, 8680, 8699,	\SC@FLOAT 18594, 21431, 21435, 21441, 21443, 21447, 21449
\RTLcolumnfootnotes 8982	11363, 14332,	\SC@justify@caption . . 18597, 21433, 21437, 21442, 21444, 21448, 21450
\RTLdblcol 21022	16005, 16045,	\sc@temp 17953, 17955, 17959, 17961, 17965, 17967, 17971, 17973, 17977, 17979, 17983, 17985, 17989, 17991, 17995, 17997, 18001, 18003, 18013, 18015
\RTLdfnmakecol 8117	16091, 16111, 16265, 16295, 16335, 16353, 16462, 16482,	\sc@wm@text 8241
\RTLfootfootmark . . 8879, 9022, 9227, 9333, 9439, 9548, 9657, 9766, 9875, 9984, 10093, 10362	16517, 16536, 16840, 16925, 16956, 17389, 17474, 17505, 18088, 18173, 18204	\scalebox 11879
\RTLfootmarkstyle 8997, 9036	\rtside 15397, 15399, 15410, 15412, 15433, 15435	\scantokens . . . 3127, 3147
\RTLfootnote . . . 412, 486, 2131, 2144, 5477, 5827, 6807, 6881, 8625, 8699, 11186, 16005, 16111, 16265, 16353, 16462, 16536, 16840, 16956, 17389, 17505, 18088, 18204	\rule 46, 60, 76, 249, 263, 278, 2482, 7821, 8432, 8436, 8439, 8874, 8880, 8886, 11227, 11244, 11260, 11287, 11301, 11315, 13937, 15603	\scr@caption 17203, 17205, 17207, 17783, 17785, 17787,
\RTLfootnotetext 2199, 2210, 6267, 6277, 11365, 11368, 12481, 13629, 18795, 18799	S \s 13786, 13787	
\RTLfootscript . 8997, 9025, 9029, 9031	\save@dir . . 15532, 20613	
\RTLfoottextfont . . 8880, 8908, 8958, 9076, 9206, 9227, 9257, 9313, 9333,	\savebox 8357, 11991, 11993, 12073 \saveCaptionSkip . 12023 \savecounters@ 8340	



18466, 18468, 18470	17213, 17780,	6474, 6662, 15748,
\scr@caption@before@longtable@warning	17793,	15757, 16198, 16207
. 17175, 17755, 18438	18463, 18464, 18476	\sectfont 15613
\scr@compatibility	\scr@parindent	\section 563,
. 17547,	. 17312, 17901, 18584	591, 607, 622,
17563, 17571, 17579	\scr@samed@footnotetext	628, 631, 698, 856,
\scr@dte@current . .	. . . . . 16773,	929, 935, 937, 961,
. 19724, 19727	16777, 17322,	1108, 1181, 1187,
\scr@dte@def@l@targetocline	17326, 18021, 18025	1190, 1211, 2478,
. 19491	\scr@samed@LTRfootnotetext	2544, 5532, 5554,
\scr@dte@def@l@tocline	. . 16771, 16774,	5622, 5630, 5745,
. 19693	16781, 17320,	5748, 5752, 6474,
\scr@dte@def@l@undottedtocline	17323, 17330,	6662, 8499, 15748,
. 19334	18019, 18022, 18029	15754, 15757,
\scr@dte@donumwidth	\scr@samed@RTLfootnotetext	16198, 16204, 16207
. 19928, 19929	. . 16772, 16775,	\sectionbib 18972
\scr@dte@largetocline@init	16785, 17321,	\sectionfont . . . 2418,
. 19492	17324, 17334,	2426, 7812, 7905
\scr@dte@nosub	18020, 18023, 18033	\sectionstyle . 2426, 2484
. . 19740, 19742,	\scr@smashdp . . 17119,	\sectiontitlecolour
19772, 19773,	17133, 17134,	. . . . . 2409,
19775, 19780,	17152, 17699,	7774, 7782, 7789,
19782, 19787,	17713, 17714,	7796, 7803, 7873,
19788, 19846, 19848	17732, 18382,	7879, 7885, 7891, 7897
\scr@dte@numberline@box	18396, 18397, 18415	\selectfont 340,
. 19643, 19670	\scr@tmp@footnotetext	2932, 5893, 5895,
\scr@dte@tocline . .	. . 17091, 17102,	5897, 15182, 15195
. 19602, 19985	17103, 17671,	\separatorcolumnwidth
\scr@dte@tocline@init	17682, 17683,	2449, 2450, 2461,
. 19694	18354, 18365, 18366	2467, 2483, 2488,
\scr@dte@tocline@numberwidth	\scr@tmp@LTRfootnotetext	2494, 2552, 7919, 7949
. 19646,	. . 17093, 17104,	\SepMark . . . 20663, 20664
19648, 19650, 19653	17105, 17673,	\seq 14018,
\scr@dte@tocline@numbox	17684, 17685,	14019, 15216, 15219
. 19645, 19647, 19661	18356, 18367, 18368	\set@color 7138, 7143,
\scr@dte@undottedtocline@init	\scr@tmp@RTLfootnotetext	7151, 7157, 7165,
. 19335	. . 17095, 17106,	7172, 7177, 11393,
\scr@ifundefinedorrelax	17107, 17675,	20442, 20446, 20542
. . 19369, 19417,	17686, 17687,	\set@typeset@protect
19462, 19524,	18358, 18369, 18370	. . . . . 10946,
19570, 19594,	\scriptsize 5668,	10950, 18682,
19633, 19738,	17954, 17960,	20846, 21232, 21234
19740, 19769,	17966, 17972,	\SetatBoolean 2760
19772, 19773,	17978, 17984,	\setbaselineskip . . 2930
19780, 19803,	17990, 17996, 18002	\SetBoolean 2744
19843, 19844,	\scshape 6755	\setboolean 4409, 4410,
19846, 19862,	\secshape . . 16354, 16395	4412, 4414, 4419,
19915, 19942, 19961	\SectFont 622, 631, 929,	4420, 4424, 4425,
\scr@LT@array . 12821,	937, 1181, 1190,	4496, 4500, 4503,
17200, 17201,		4508, 4510, 4514,



4516, 4894, 5518,	10334,	10346,	15423,	15432,
5519, 5520, 5777,	10364,	10383,	15434,	15449,
5778, 5779, 5804, 5805	10389,	10397,	15451,	15459,
\setbox 380, 1406, 1408,	10403,	10411,	15461,	15470,
1409, 1465, 1620,	10421,	10431,	15551,	15552,
1893, 2293, 4940,	10441,	10450,	15582,	15600,
4996, 4999, 5040,	10480,	10488,	16734,	16744,
5043, 5084, 5087,	10503,	10519,	16755,	16762,
6146, 6157, 6370,	10530,	10742,	17117,	17697,
6384, 7010, 7037,	10772,	10775,	17954,	17960,
7042, 7074, 7109,	10788,	10808,	17966,	17972,
7138, 7293, 7294,	10811,	10825,	17978,	17984,
7298, 7301, 7311,	10876,	10916,	17990,	17996,
7315, 7318, 7322,	10921,	11277,	18002,	18380,
7332, 7335, 7336,	11291,	11305,	18623,	18671,
7350, 7367, 7383,	11324,	11448,	18712,	18762,
7395, 7398, 7399,	11457,	11461,	18832,	20147,
7413, 7426, 7442,	11485,	11499,	20150,	20155,
7463, 7464, 7469,	11569,	11576,	20159,	20163,
7470, 7475, 7478,	11577,	11593,	20167,	20171,
7501, 7509, 7519,	11618,	11625,	20175,	20179,
7570, 7584, 7588,	11626,	11642,	20183,	20434,
7598, 7603, 7612,	11693,	11705,	20442,	20547,
7614, 7629, 7630,	11739,	11741,	20623,	20624,
7641, 7642, 7654,	11752,	11777,	20808,	20834,
7655, 7675, 7683,	11802,	11811,	20933,	20936,
7693, 7741, 7965,	11818,	11819,	20937,	20951,
7973, 7974, 7978,	11864,	11865,	20980,	20983,
7986, 7994, 7995,	13567,	13576,	20984,	20998,
7999, 8014, 8017,	13638,	13643,	21027,	21029,
8022, 8026, 8034,	13646,	13655,	21043,	21045,
8071, 8074, 8079,	13675,	13707,	21056,	21100,
8083, 8088, 8932,	13713,	14488,	21103,	21144,
8943, 8954, 9046,	14491,	14492,	21147,	21175,
9152, 9157, 9164,	14514,	14519,	21189, 21207, 21273	
9229, 9241, 9254,	14529,	14547,	\setcaptionfont ... 4488	
9335, 9346, 9358,	14552,	14588,	\setcaptionwidth . 13601	
9441, 9453, 9466,	14591,	14592,	\setchapterpreamble	
9550, 9562, 9575,	14614,	14619,	..... 17591, 18274	
9659, 9671, 9684,	14629,	14647,	\setcitationfont .. 5123	
9768, 9780, 9793,	14652,	14683,	\setcounter . 429, 464,	
9877, 9889, 9902,	14764,	14780,	739, 771, 815, 991,	
9986, 9998, 10011,	15341,	15355,	1023, 1067, 1241,	
10095, 10107,	15358,	15377,	1273, 1317, 1980,	
10120, 10142,	15378,	15384,	5196, 5215, 5234,	
10143, 10150,	15385,	15396,	5266, 5516, 6028,	
10162, 10165,	15398,	15400,	6313, 6528, 6560,	
10167, 10171,	15402,	15405,	6705, 6737, 6824,	
10174, 10176,	15407,	15409,	6859, 8547, 8580,	
10178, 10322,	15411,	15421,	8642, 8677, 10647,	



10680,	10976,	4460, 4461, 4462,	19473,	19581,
12962,	12963,	4463, 4484, 4490,	19926, 20732, 20735	
14360,	15134,	4491, 4524, 4527,	\setLR 15558, 20632	
15155,	15871,	4531, 4577, 4629,	\setLTR 15519,	
15903,	15947,	4630, 5131, 5132,	15520, 15533,	
16010,	16042,	5133, 5134, 5140,	15558, 15559,	
16088,	16292,	5382, 5675, 5676,	20600, 20601,	
16332,	16479,	5677, 5678, 5679,	20614, 20632, 20633	
16514,	16831,	5680, 5681, 5682,	\setLTRbibitems .. 20667	
16922,	17035,	5684, 5685, 5687,	\setLTRcitationfont 5124	
17108,	17109,	5690, 5691, 5692,	\setLTRmarginnotefont	
17380,	17471,	5693, 5910, 5911,	. . . . . 5121	
17615,	17688,	6436, 6458, 6613,	\setLTRmarginpar . 21210	
17689,	18079,	6635, 6899, 6914,	\setLTRsidenotefont 5118	
18170,	18298,	7185, 7908, 7912,	\setLTRtable 1562	
18371, 18372, 19272		7914, 7917, 8303,	\setmarginnotefont 5120	
\setdefaultbibitems		8448, 8463, 9038,	\setnonlatin 1557	
. 20668		9041, 9078, 10553,	\setparsizes .. 16848,	
\setdefaultmarginpar		10567, 11322,	16960, 17397,	
. 21211		11796, 11904,	17509, 18096, 18208	
\setDefaults 11980		11905, 11911,	\setRL 15557, 20631	
\setfloatalignment 4568		11912, 11914,	\setRTL . 15518, 15521,	
\setfootnoteLR ... 11208		11915, 11984,	15533, 15557,	
\setfootnoteRL ... 11206		11985, 11997,	20269, 20309,	
\setkeys 1650,		12001, 12003,	20343, 20599,	
7001, 7018, 8321,		12005, 12009,	20602, 20614, 20631	
8327, 8329, 11810,		12011, 12968,	\setRTLbibitems .. 20666	
11854, 11982,		12969, 12970,	\setRTLCitationfont 5125	
12976, 13014,		12971, 13010,	\setRTLmain 1865	
15175, 15234,		13017, 13018,	\setRTLmarginnotefont	
16653, 16698, 20327		13019, 13031,	. . . . . 5122	
\setlatin 1556		13032, 13055,	\setRTLmarginpar . 21209	
\setlength 504,		13060, 13063,	\setRTLSidenotefont 5119	
521, 657, 681,		13622, 15174,	\setRTLtable 1561	
883, 901, 938,		15783, 15805,	\setsidenotefont .. 5117	
939, 940, 941, 942,		16155, 16177,	\setSingleSpace 8984, 8989	
1140, 1165, 2118,		16384, 16554,	\setspace@singlespace	
2119, 2120, 2322,		16569, 16790,	. . . 5327, 5345, 5363	
2323, 2325, 2326,		17114, 17140,	\setthesection ... 14377	
2328, 2329, 2331,		17339, 17694,	\settodepth 15170	
2332, 2334, 2335,		17720, 18038,	\settoheight . 8300, 15171	
2337, 2338, 2340,		18377, 18403,	\settowidth 89,	
2341, 2342, 2347,		18875, 18876,	292, 568, 703, 966,	
2348, 2386, 2387,		18924, 18925,	1216, 2454, 6483,	
2389, 2390, 2391,		18927, 19296,	6671, 6980, 7910,	
2392, 2450, 2459,		19300, 19301,	8345, 8504, 8775,	
2460, 2463, 2465,		19303, 19304,	10612, 12854,	
2468, 2469, 2471,		19306, 19307,	13057, 15173,	
2474, 2540, 2550,		19309, 19310,	15835, 16229,	
2551, 2552, 4433,		19312, 19313,	16423, 16626,	



17028, 17608,	\sidenotes 5290	2510, 2515, 2545,
17953, 17959,	\sideways 16760	5657, 5658, 5723,
17965, 17971,	\sigindent 18014	5731, 5736, 5755,
17977, 17983,	\sixcolumnfootnotes 9596	6519, 6696, 6801,
17989, 17995,	\sxt@@n 2260, 2282	8526, 8619, 10626,
18001, 18291,	\size@chapter 15613	15757, 15862,
18955, 20112, 20114	\skip . 1599, 1880, 6234,	15999, 16207,
\setupL@lbox 13009, 13016	6235, 8019, 8076,	16259, 16456,
\Setversedim	9066, 9091, 9099,	16834, 17383, 18082
. . . 6041, 6045, 6071	9107, 9121, 9137,	\smallcaps 6011, 6012, 6013
\SetWatermarkText . 8240	9140, 9145, 10228,	\smallskip
\sevendcolumnfootnotes	10230, 10232,	. . 14996, 15001,
. 9705	10234, 10290,	15008, 15017,
\sf 17954, 17960,	10292, 10294,	15028, 15033,
17966, 17972,	10296, 10462,	15038, 15045,
17978, 17984,	10471, 10494,	15052, 15059, 15610
17990, 17996, 18002	10507, 11340,	\smash 4685, 4690, 4701,
\sf@size 12885	11559, 11560,	4702, 4705, 4706,
\sfcode 93,	11571, 11573,	4913, 7968, 7989,
296, 579, 711, 974,	11620, 11622,	11386, 13091,
1224, 6491, 6679,	11676, 11681,	15555, 20627, 20629
6991, 8512, 8786,	11744, 11755,	\SOUL@apo 18617
10620, 12858,	11762, 11796,	\SOUL@comma 18616
15075, 15843,	14897, 14903,	\SOUL@do 18619
16237, 16434,	14907, 14912,	\SOUL@eventuallyxexhyphen
16637, 17045,	14916, 14978,	. . . . . 18606
17625, 18308, 18966	14982, 15539,	\SOUL@grave 18618
\sh@wgridXunit . . . 15571	15545, 21032,	\SOUL@ignorespacesfalse
\sh@wgridYunit . . . 15571	21048, 21059, 21067	. . . . . 18610
\shadowbox 8417	\skip@ 311, 312	\SOUL@lasttoken . . 18613
\shadowsize 8427, 8431,	\sloppy 42, 56,	\SOUL@lowerthan . . 18603
8432, 8435, 8436, 8439	72, 92, 245, 259,	\SOUL@minus 18615
\shipout 10946,	274, 295, 575, 710,	\SOUL@postamble . . 18620
11716, 11726, 21231	973, 1223, 2559,	\SOUL@preamble . . . 18612
\shortauthors	6490, 6678, 6987,	\SOUL@soeventuallyskip
. . 115, 116, 121,	8511, 8782, 10619,	. . . . . 18607
12917, 12918, 12923	11554, 12857,	\SOUL@spaceskip . . 18608
\shortcite 15077	13692, 15074,	\SOUL@start 18601
\shorttitle	15693, 15842,	\SOUL@ulcolor . 18632,
. . 114, 115, 121,	16236, 16430,	18638, 18644, 18652
12916, 12917, 12923	16633, 17044,	\SOUL@uldp 18644
\showbox 11522	17624, 18307, 18962	\SOUL@uleveryspace 18646
\showgridp@s 15570	\slshape . . . 648, 876,	\SOUL@ulht 18644
\showoutput 11522	1131, 2506, 6427,	\SOUL@ulleaders . . .
\sidecaptionsep 18595,	6604, 7810, 7811,	. 18632, 18638, 18654
18596, 21432,	7901, 7902, 7904,	\SOUL@uloverlap . . 18625
21436, 21441,	15774, 16146, 16360	\SOUL@ulunderline 18622
21443, 21447, 21449	\small . . 406, 631, 730,	\SOUL@word 18614
\sidenote 5193,	937, 982, 1190,	\soulomit 18605
5247, 5285, 5380, 5471	1232, 2005, 2420,	



<code>\space</code> 1497,	70, 243, 257, 272,	2740, 2741, 2918,
3113, 3256, 4081,	7333, 7396, 9083,	2958, 2959, 2965,
4268, 4270, 4281,	10773, 10809,	3113, 3143, 3164,
4283, 4286, 4749,	11220, 11237,	3167, 3194, 3196,
4754, 4755, 4888,	11253, 11574,	3256, 3325, 3368,
4889, 6755, 6950,	11623, 14489,	3369, 3382, 3383,
7466, 7472, 7635,	14589, 20934, 20981	3394, 3395, 3408,
7643, 7644, 8744,	<code>\splittopskip</code> . . . 40,	3409, 3440, 3454,
10582, 11422,	54, 70, 243, 257,	3455, 3456, 3457,
11430, 11431,	272, 9082, 9154,	3461, 4081, 4090,
11455, 11463,	9158, 9268, 9269,	4094, 4100, 4111,
12994, 13026,	9273, 9274, 9371,	4268, 4270, 4281,
13027, 14063,	9372, 9376, 9377,	4283, 4284, 4285,
14770, 14772,	9480, 9481, 9485,	4286, 4288, 4888,
14773, 14774,	9486, 9589, 9590,	4889, 7147, 7150,
14775, 14941,	9594, 9595, 9698,	7168, 7171, 10183,
14948, 15578,	9699, 9703, 9704,	10185, 11426,
16604, 16647,	9807, 9808, 9812,	11427, 11428,
16690, 16899,	9813, 9916, 9917,	11429, 11430,
17050, 17448,	9921, 9922, 10025,	11552, 11886,
17630, 18147,	10026, 10030,	11887, 15703,
18313, 18782,	10031, 10134,	15704, 16899,
18784, 18841,	10135, 10139,	17050, 17052,
19663, 19665,	10140, 11219,	17058, 17448,
20231, 20898, 21180	11236, 11252,	17630, 17632,
<code>\spacefactor</code> . . . 5306,	11453, 11454, 15351	17638, 18147,
5311, 5317, 5320	<code>\stepcounter</code> . . . 3420,	18313, 18315,
<code>\spaceskip</code> . 18650, 18655	3426, 3434, 3440,	18321, 18808,
<code>\speci@ls</code> . . 14959, 14966	5204, 5223, 5242,	20230, 20487,
<code>\special</code>	5274, 5394, 5423,	20534, 20898, 20918
1621, 1794, 1803,	5452, 6204, 10975,	<code>\strip@prefix</code> . 3164, 3177
1894, 1920, 1969,	11046, 11116,	<code>\strip@pt</code> . 2835, 2931,
15552, 18838,	11186, 11195,	8189, 8192, 8197,
18839, 18843,	12647, 13534,	8200, 10241, 10303
18844, 18846, 20624	15129, 15133,	<code>\stripsep</code> . 7384, 7443,
<code>\spinemargin</code> . . 8250, 8254	15150, 15154,	7458, 7504, 7513,
<code>\split@prev</code>	16644, 16687, 21303	7523, 7568, 7678,
. 11165, 11173, 11178	<code>\stopbreaks</code> . . 8805, 18013	7687, 7697, 14523,
<code>\splitbotmark</code> 11459	<code>\str</code> 13775, 13826,	14525, 14532,
<code>\splitfirstmark</code> . . .	13898, 13916,	14623, 14625,
. . . . 7339, 7402,	13978, 14002,	14632, 14694,
10778, 10814,	14007, 14081,	14697, 14699, 14706
11458, 11580,	14112, 14125,	<code>\strut</code> 46,
11629, 14495,	14147, 14201, 14233	60, 76, 249, 263,
14595, 20940, 20987	<code>\stretch</code> 1467,	278, 2035, 8813,
<code>\SplitFootnoteRule</code>	1470, 7111, 7114	9221, 9224, 9227,
. 1692, 11164	<code>\string</code> . . . 352, 1377,	9327, 9330, 9333,
<code>\splitfootnoterule</code>	1719, 1723, 2602,	9433, 9436, 9439,
. 11168, 11176	2638, 2644, 2716,	9542, 9545, 9548,
<code>\splitmaxdepth</code> 40, 54,	2718, 2736, 2737,	9651, 9654, 9657,



9760, 9763, 9766, 9869, 9872, 9875, 9978, 9981, 9984, 10087, 10090, 10093, 10354, 10358, 10362, 13706, 17098, 17100, 17119, 17121, 17124, 17126, 17129, 17133, 17135, 17145, 17147, 17152, 17156, 17678, 17680, 17699, 17701, 17704, 17706, 17709, 17713, 17715, 17725, 17727, 17732, 17736, 18016, 18361, 18363, 18382, 18384, 18387, 18389, 18392, 18396, 18398, 18408, 18410, 18415, 18419, 18886, 18891	\subfig@oldlabel 4619, 4621 \subfigure ... 4618, 4625 \subitem 108, 228, 5766, 12874 \subjclass 324 \subject 16944, 17493, 18192 \subject@font . 16857, 16970, 17406, 17519, 18105, 18218 \subparagraph 5568, 5569, 5572 \subsection 2485, 5539, 5555 \subsectioncolour 2411, 7775, 7783, 7790, 7797, 7804, 7874, 7880, 7886, 7892, 7898 \subsectionfont 2419, 2427, 7813, 7906 \subsectionstyle 2427, 2486 \subsubitem 109, 229, 5767, 12875 \subsubsection 5559, 5560, 5563 \subtable 4625 \supereject 1934 \symbol 2048, 2058 \sys 13996	\tcd .. 15348, 15355, 15356 \tcdsav 15348 \tcl .. 15372, 15373, 15379 \tcn 15356, 15357, 15379, 15380, 15381, 15382 \Telefon 2400 \tencolumnfootnotes 10032 \TeX 12813, 15534, 15535, 15556, 20615, 20616, 20628 \textbf 2513, 5712, 11399, 11401, 11403, 11405 \textbullet 2397, 7767, 7831, 7865 \textcolor 8416, 8431, 8435, 8438, 11389, 12998 \textdef@ 338 \textdir 14241 \textendash . 736, 988, 1051, 1238, 6525, 6702, 15868, 16007 \textheight 1954, 2361, 7367, 7426, 11562, 11984, 16652, 16697, 21302 \textit 19332 \textsf 1636 \textsl .. 4772, 4773, 4774 \textsuperscript 5319, 9034, 9035, 9036, 16813, 17362, 17932, 18061 \texttt 2058, 2122, 2124, 2125, 3443 \textwidth 1608, 1614, 1953, 2359, 2450, 2459, 2460, 2472, 2474, 4527, 4531, 4630, 4931, 4932, 6072, 7351, 7359, 7414, 7479, 7485, 7656, 7661, 7821, 7836, 7908, 7917, 8031, 8253, 9153, 10161, 10788, 10794, 10826, 10916,
\strutbox 40, 54, 70, 243, 257, 272, 378, 382, 8875, 8881, 8887, 9083, 9268, 9273, 9371, 9376, 9480, 9485, 9589, 9594, 9698, 9703, 9807, 9812, 9916, 9921, 10025, 10030, 10134, 10139, 10223, 10285, 11220, 11227, 11237, 11244, 11253, 11260, 11287, 11301, 11315, 13553, 13569, 13611, 13708, 17142, 17143, 17722, 17723, 18405, 18406, 18672, 18673, 18708, 20835, 20836	T \t@cb@bchapsec ... 18947 \tabcaption . 12033, 12051 \tabcolsep 372, 1349, 13564, 16124, 20638 \tablinesep 18705 \tabskip .. 388, 6214, 13578, 13579, 18678, 18716, 20841 \tabular 18777 \tabularnewline 397, 13548, 18680, 20843 \tabularx 18768 \tabularxcolumn .. 18730 \tagform@ 336 \tamark 14343 \tcb@vbox 18853	



10921,	11327,	734, 746, 772, 783,	3661, 3663, 3668,
11594,	11643,	784, 793, 816, 833,	3672, 3673, 3678,
11651,	11932,	986, 998, 1024,	3683, 3691, 3694,
11935,	11940,	1035, 1036, 1045,	3698, 3704, 3788,
11946,	13680,	1068, 1085, 1236,	3789, 3790, 3815,
14553,	14561,	1248, 1274, 1285,	4334, 4341, 4370,
14653,	14684,	1286, 1295, 1318,	5161, 5171, 5306,
14847,	14879,	1336, 1981, 5819,	5317, 6123, 6130,
14880,	14883,	5820, 5821, 5822,	6261, 6264, 6267,
14884,	14887,	5825, 5832, 5833,	6271, 6274, 6277,
14888,	14892,	5849, 5850, 5865,	6382, 6997, 7002,
14895,	16850,	5866, 5877, 6523,	7046, 7107, 7338,
16878,	16882,	6535, 6561, 6700,	7340, 7401, 7403,
16962,	17399,	6712, 6738, 6805,	7466, 7472, 7473,
17427,	17431,	6825, 6860, 6879,	7474, 7606, 7616,
17511,	18013,	8530, 8548, 8581,	7635, 7643, 7644,
18098,	18126,	8598, 8623, 8643,	7645, 7648, 7650,
18130,	18210,	8678, 8697, 10630,	7651, 7652, 10227,
20952,	20960,	10648, 10681,	10289, 10777,
20999, 21277, 21293		10698, 14330,	10779, 10813,
\textwidth@footnoterule		15866, 15878,	10815, 11044,
.. 409, 733, 985,		15904, 15915,	11059, 11060,
1235, 6522, 6699,		15916, 15925,	11063, 11064,
6804, 8529, 8622,		15948, 15965,	11067, 11120,
10629, 11135,		16003, 16017,	11124, 11178,
11146, 14894,		16043, 16056,	11351, 11365,
15865, 16002,		16057, 16066,	11415, 11422,
16262, 16459,		16089, 16109,	11426, 11427,
16837, 17386, 18085		16263, 16293,	11428, 11429,
\textwidthfootnoterule		16333, 16351,	11430, 11431,
1694, 7959, 8863,		16460, 16480,	11439, 11445,
11144, 11789, 21330		16515, 16534,	11452, 11453,
\TeXeTOff . 15467, 20545		16838, 16923,	11455, 11460,
\TeXeTOn 15466,		16954, 17387,	11462, 11463,
15468, 20544, 20546		17472, 17503,	11477, 11503,
\TeXeTstate .. 15466,		18086, 18171, 18202	11533, 11534,
15467, 20544, 20545		\thankses 323	11535, 11540,
\TF@conlab		\the ... 124, 125, 1365,	11541, 11542,
. 11382, 11384, 11391		1459, 1460, 1462,	11552, 11579,
\TF@savecolor 11388, 11393		1463, 1524, 1632,	11581, 11628,
\TF@Title 11391		1846, 1905, 1945,	11630, 11856,
\thanklessauthor 5820,		1947, 1950, 1952,	11901, 12434,
5853, 5856, 5893		2191, 2193, 2196,	12442, 12443,
\thanklesspublisher		2199, 2204, 2207,	12449, 12451,
..... 5821,		2210, 2315, 2651,	12480, 12481,
5880, 5883, 5897		2653, 2654, 2675,	12487, 12489,
\thanklesstitle 5819,		2677, 2678, 3128,	12520, 12522,
5836, 5839, 5895		3456, 3551, 3606,	12551, 12553,
\thanks 323,		3634, 3636, 3641,	12582, 12584,
410, 430, 465, 484,		3643, 3644, 3654,	12926, 12927,



13024,	13026,	20904,	20906,	10618,	12851,
13070,	13072,	20918,	20939,	12854,	15841,
13077,	13079,	20941,	20986, 20988	16235,	16429,
13085,	13087,	\the@cornersize ...		16632,	17042,
13092,	13626,	..... 10734, 10735		17622, 18305, 18961	
13629,	14191,	\thealgocf 168		\theequation	
14494,	14496,	\theAlgoLine 21375		.... 6511, 6688,	
14507,	14524,	\thechapter 308,		6933, 8727, 10717,	
14531,	14537,	5528, 6506, 6512,		11009, 11022,	
14594,	14596,	6514, 6516, 6683,		12936, 14378,	
14607,	14624,	6689, 6691, 6693,		15852, 16221,	
14631,	14637,	6755, 6934, 6936,		16406, 16588,	
14707,	14770,	6938, 6939, 6940,		17578, 18265, 21323	
14772,	14773,	6950, 8728, 8730,		\thefigure 6513,	
14774,	14775,	8732, 8733, 8734,		6690, 6935, 8729,	
14776,	15068,	8744, 10582,		10719, 11011,	
15233,	15249,	10712, 10718,		11024, 14380,	
15253,	15256,	10720, 10722,		15854, 16217,	
15281,	15305,	11010, 11012,		16408, 16590,	
15312,	15319,	11014, 11015,		17562, 18257, 18688	
15473,	15474,	11016, 11023,		\thefootdir@label .	
16660,	16670,	11025, 11027,		.. 11044, 11047,	
16679,	16706,	11028, 11029,		11076, 11081,	
16718,	16728,	13234, 14368,		11099, 11102, 11122	
17035,	17615,	14377, 14379,		\thefootnote ... 446,	
18298,	18701,	14380, 14381,		738, 797, 990,	
18702,	18732,	15109, 15616,		1049, 1240, 1299,	
18751,	18753,	15847, 15853,		1972, 6527, 6704,	
18777,	18782,	15855, 15857,		6841, 8562, 8659,	
18784,	18785,	16212, 16218,		10662, 12334,	
18788,	18789,	16220, 16222,		15870, 15929,	
18792,	18795,	16407, 16409,		16009, 16070,	
18796,	18799,	16411, 16412,		16266, 16309,	
18904,	19661,	16589, 16591,		16496, 16841,	
19664,	19666,	16593, 16594,		16905, 17390,	
19742,	20013,	16595, 16604,		17454, 18089, 18153	
20016,	20017,	17548, 17550,		\thefootnotemark ...	
20019,	20021,	17564, 17566,		..... 16813,	
20025,	20030,	17572, 17574,		17362, 17932, 18061	
20034,	20045,	17580, 17582,		\theHchapter 15109	
20046,	20049,	18246, 18258,		\theHsection 15117, 15119	
20055,	20059,	18262, 18266, 18988		\theindex . 98, 218, 12864	
20067,	20068,	\thecontentspage 5586,		\TheList 3652	
20105,	20121,	5593, 5600, 5607, 5614		\thelstlisting 13205,	
20125,	20224,	\thedate . 5815, 5823, 5869		13210, 13233, 13236	
20387,	20399,	\theenumiv 86,		\thempfn	
20404,	20425,	89, 289, 292, 574,		2216, 2224, 2232,	
20426,	20428,	709, 972, 1222,		5395, 5401, 5424,	
20550,	20551,	2558, 6489, 6677,		5430, 5453, 5459,	
20679,	20736,	6986, 8510, 8781,		6282, 6289, 6296,	



11187, 11192,	214, 539, 693, 947,	6685, 6686, 6942,
11196, 11201,	1206, 5535, 6506,	6943, 8613, 8614,
11329, 11355,	6507, 6683, 6684,	8736, 8737, 10714,
11360, 11370,	6940, 6941, 8612,	10715, 11018,
11375, 12301,	8734, 8735, 10712,	11019, 11031,
12312, 12323,	10713, 11016,	11032, 12909,
12453, 12491,	11017, 11029,	12910, 14371,
12524, 12555,	11030, 12908,	14374, 15849,
12586, 12648, 13738	14368, 14370,	15850, 16214,
\thempfootnote	15117, 15119,	16215, 16414,
. 11329, 13738	15847, 15848,	16415, 16597,
\theorem@indent 15143,	16212, 16213,	16598, 16999,
15144, 15163, 15164	16412, 16413,	17002, 17555,
\theorem@prework . 15137	16595, 16596,	17558, 18250, 18253
\theorem@postskipamount	16998, 17546,	\thetable 6515,
. 15138, 15158	17554, 18245, 18249	6692, 6937, 8731,
\theorempreskipamount	\thesubparagraph . .	10721, 11013,
. 15141, 15161	. . . 22, 217, 542,	11026, 14381,
\thepage 1943,	696, 950, 1209,	15856, 16219,
1948, 2535, 4660,	6510, 6687, 6944,	16410, 16592,
4772, 4773, 4774,	8615, 8738, 10716,	17570, 18261, 18689
4783, 4784, 5999,	11020, 11033,	\thinlines 7197,
6000, 6011, 6012,	12911, 14375,	7207, 7220, 7230,
6013, 7532, 7550,	15851, 16216,	7243, 7253, 7266, 7276
7707, 7725, 14941,	16416, 16599,	\thispagestyle . 101,
14948, 20431, 21180	17003, 17559, 18254	113, 221, 462,
\theparagraph . . . 21,	\thesubsection . . 19,	594, 609, 813, 858,
22, 216, 217, 541,	20, 214, 215, 539,	1065, 1110, 1315,
542, 695, 696, 949,	540, 693, 694, 947,	5900, 5922, 5943,
950, 1208, 1209,	948, 1206, 1207,	6406, 6583, 6794,
5549, 6509, 6510,	5542, 6507, 6508,	6857, 8578, 8675,
6686, 6687, 6943,	6684, 6685, 6941,	8792, 8795, 10678,
6944, 8614, 8615,	6942, 8612, 8613,	12867, 12915,
8737, 8738, 10715,	8735, 8736, 10713,	12939, 12942,
10716, 11019,	10714, 11017,	14358, 15735,
11020, 11032,	11018, 11030,	15945, 15990,
11033, 12910,	11031, 12908,	16086, 16330,
12911, 14373,	12909, 14369,	16450, 16512,
14376, 15850,	14372, 15848,	16846, 16919,
15851, 16215,	15849, 16213,	17395, 17468,
16216, 16415,	16214, 16413,	18094, 18167, 19020
16416, 16598,	16414, 16596,	\thm@topsepadd 15138,
16599, 17002,	16597, 16998,	15139, 15142,
17004, 17558,	17000, 17554,	15158, 15159, 15162
17560, 18253, 18255	17556, 18249, 18251	\thr@@ 349, 365,
\thepart	\thesubsubsection 20,	1374, 1392, 1416,
. 546, 554, 8474, 8482	21, 215, 216, 540,	1425, 9372, 9377,
\ther@tfl@t . . . 16645,	541, 694, 695,	14932, 14950,
16646, 16688, 16689	948, 949, 1207,	18608, 18805, 18825
\thesection 19,	1208, 6508, 6509,	\threecolumnfootnotes



..... 9275	\tl 13758, 13766,	14173, 14174,
\tiny 2018, 5297, 5669	13771, 13773,	14175, 14188,
\title 320, 438, 474, 778,	13774, 13775,	14260, 14261,
823, 1030, 1075,	13776, 13778,	14269, 14270,
1280, 1325, 1988,	13779, 13781,	14271, 14272,
2437, 2476, 5814,	13784, 13788,	14282, 14283,
5829, 6567, 6744,	13797, 13801,	14284, 14289,
6833, 6869, 8554,	13804, 13809,	14294, 14296,
8588, 8651, 8687,	13814, 13822,	14299, 14300,
10654, 10688,	13824, 13825,	14305, 14306,
15910, 15955,	13826, 13827,	14311, 14323, 14324
16051, 16098,	13829, 13831,	\tmpcount 3842, 3868
16301, 16342,	13833, 13834,	\toaddress .. 8801, 12948
16488, 16524,	13836, 13842,	\toc@headstar 19010, 19015
16941, 17490, 18189	13846, 13849,	\tocbasic@DependOnPenaltyAndTOCLevel
\TitleBarFrame	13850, 13853,	..... 19605
.. 11380, 11399,	13860, 13865,	\tocbasic@SetPenaltyByTOCLevel
11401, 11403, 11405	13873, 13876,	..... 19689
\titlecolour .. 2406, 7868	13877, 13878,	\TOCEntryStyleStartInitCode
\titlecontents . 5581,	13879, 13880,	.. 17222, 17235,
5588, 5595, 5602, 5609	13883, 13889,	17254, 17802,
\TitleFont 727,	13890, 13891,	17815, 17834,
743, 834, 836, 842,	13896, 13898,	18485, 18498, 18517
979, 995, 1086,	13905, 13909,	\toclevel@subfigure
1088, 1094, 1229,	13914, 13916,	..... 19222
1245, 1337, 1339,	13918, 13920,	\toclevel@subtable 19242
1345, 1348, 1349,	13939, 13945,	\TOCLineLeaderFill
1354, 6532, 6709,	13946, 13947,	..... 17239,
15859, 15875,	13948, 13949,	17256, 17819,
15966, 15968,	13961, 13964,	17836, 18502,
15974, 15996,	13967, 13969,	18519, 19706, 19967
16014, 16112,	13993, 13994,	\tocstyle@numberline
16114, 16120,	13996, 14005,	..... 20112,
16123, 16124, 16129	14008, 14009,	20114, 20132,
\titlefont 2415,	14010, 14011,	20134, 20137, 20139
2423, 7901, 16860,	14012, 14013,	\tocstyle@activate@all@1
16973, 17409,	14015, 14021,	..... 20225
17522, 18108, 18221	14026, 14029,	\tocstyle@activate@features
\titleformat ... 5525,	14030, 14043,	..... 20002
5532, 5539, 5546	14045, 14046,	\tocstyle@dottedtocline
\titlehead	14047, 14048,	..... 19989
. 16943, 17492, 18191	14049, 14050,	\tocstyle@feature@dothook
\titlepage 620,	14051, 14060,	..... 20088
927, 1179, 6472,	14063, 14067,	\tocstyle@feature@entryhook
6660, 15746, 16196	14068, 14069,	..... 20084
\titlepagestyle ...	14072, 14086,	\tocstyle@feature@entryvskip
. 16919, 17468, 18167	14092, 14105,	..... 20003, 20006
\titlespacing	14110, 14114,	\tocstyle@feature@leaders
... 5553, 5554, 5555	14135, 14143,	..... 20086, 20091
\titlestyle ... 2423, 7932	14144, 14169,	



<code>\tocstyle@feature@pagenumberhook</code>	122,	8272, 10960, 21269
..... 20094, 20097	124, 1459, 1460,	
<code>\tocstyle@feature@pagenumberhook</code>	1462, 1463, 5154,	<code>\topmark</code> .. 7337, 7346,
..... 20095, 20097	5155, 5161, 7107,	7400, 7409, 10776,
<code>\tocstyle@feature@parfillskip</code>	11458, 11459,	10785, 10812,
..... 20074, 20075	11460, 12924, 12926	10821, 11578,
<code>\tocstyle@feature@raggedhook</code>	121, 125,	11587, 11627,
..... 20010	1619, 1632, 1892,	11636, 14493,
<code>\tocstyle@feature@spaceafternumber</code>	205, 4366, 4370,	14502, 14593,
..... 20111,	7337, 7338, 7339,	14602, 20938,
20115, 20136, 20140	7340, 7400, 7401,	20947, 20985, 20994
<code>\tocstyle@indentstyle</code>	7402, 7403, 10776,	<code>\topsep</code> ... 2100, 2109,
..... 20061, 20131	10777, 10778,	2550, 4453, 5663,
<code>\tocstyle@l@define</code>	10779, 10812,	5705, 14390, 14392
.. 20148, 20151,	10813, 10814,	<code>\topskip</code> 301,
20156, 20160,	10815, 11578,	1966, 7592, 7595,
20164, 20168,	11579, 11580,	11464, 11466,
20172, 20176,	11581, 11627,	11471, 14396,
20180, 20184, 20216	11628, 11629,	14687, 18986,
<code>\tocstyle@macrochangewarning</code>	11630, 11853,	18992, 18997,
..... 20204, 20211	11856, 11890,	19004, 19009, 19014
<code>\tocstyle@numberline</code>	11892, 11896,	<code>\TOTALHEIGHT</code> 18837, 18841
..... 19990, 20109	11898, 11901,	<code>\totalheight</code> 11883
<code>\tocstyle@saved@dottedtocline</code>	12431, 12434,	<code>\tovalue</code>
..... 20206	12923, 12927,	3726, 3813, 3821,
<code>\tocstyle@saved@numberline</code>	14493, 14494,	3852, 3865, 3871, 3872
..... 20214	14495, 14496,	<code>\tracingmacros</code> 3841
<code>\tocstyledepth</code> 20001,	14593, 14594,	<code>\traditionalconnverses</code>
20013, 20025,	14595, 14596,	... 6061, 6084, 6100
20045, 20046,	18751, 18771,	<code>\traditionalhalfverses</code>
20049, 20067,	18777, 20938,	..... 6050,
20068, 20117,	20939, 20940,	6054, 6061, 6094
20119, 20121, 20125	20941, 20985,	<code>\traditionalpoem</code> .. 6303
<code>\tocstyleTOC</code>	20986, 20987, 20988	<code>\traditionalpoem@cr</code>
.. 20013, 20016,	<code>\tolerance</code> .....	... 6174, 6223, 6224
20017, 20019,	9217, 9323, 9429,	<code>\traditionalpoem@obeylines</code>
20021, 20025,	9538, 9647, 9756,	..... 6104, 6303
20026, 20028,	9865, 9974, 10083	<code>\traditionalpoem@par</code>
20029, 20033,	<code>\toname</code> 8801, 12948	... 6104, 6105, 6223
20037, 20038,	<code>\topheight</code>	<code>\trimb</code> 5156, 5163
20041, 20042,	.. 15360, 15362,	<code>\trimc</code> 5165
20045, 20046,	15363, 15364,	<code>\trivlist</code>
20049, 20051,	15366, 15372,	. 10867, 15140, 15160
20053, 20054,	15374, 15376,	<code>\ttdefault</code> ... 7807, 7899
20058, 20063,	15377, 15378,	<code>\ttfamily</code>
20064, 20067,	15441, 15442,	2005, 2045, 2046,
20068, 20117,	15443, 15444,	2048, 2049, 2050,
20119, 20120, 20124	15448, 15449, 15453	2051, 2052, 2053, 2054
<code>\today</code> 5823	<code>\topins</code> 15536	<code>\ttl@a</code> 18909, 18911
<code>\token</code> 15207	<code>\topmargin</code> 1958, 2360,	<code>\ttl@b</code> 18904,
		18905, 18909, 18911



<code>\uc@ty</code> 792, 793, 1044, 1045, 1294, 1295, 15924, 15925, 16065, 16066	<code>\unpenalty</code> 7032, 7575, 7587, 7598, 7604, 10147, 10164, 10173, 11488	7685, 7694, 7742, 7973, 7976, 7977, 7994, 7997, 7998, 8023, 8030, 8035, 8040, 8080, 8085, 8089, 8094, 8933, 8944, 8955, 9048, 9069, 9124, 9130, 9165, 9230, 9242, 9255, 9336, 9347, 9359, 9442, 9454, 9467, 9551, 9563, 9576, 9660, 9672, 9685, 9769, 9781, 9794, 9878, 9890, 9903, 9987, 9999, 10012, 10096, 10108, 10121, 10142, 10373, 10392, 10406, 10418, 10428, 10438, 10447, 10483, 10491, 10498, 10505, 10511, 11278, 11292, 11306, 11343, 11348, 11451, 11461, 11488, 11576, 11625, 11697, 11699, 11743, 11748, 11754, 11758, 11765, 11781, 13638, 13643, 13652, 13655, 13713, 13731, 14491, 14520, 14522, 14530, 14548, 14550, 14591, 14620, 14622, 14630, 14648, 14650, 14705, 15398, 15402, 15407, 15411, 15423, 15434, 15454, 15457, 15462, 15536, 15537, 15541, 15546, 20743,
<code>\undefined</code> 4172, 6256, 6309, 6312, 6314, 17103, 17105, 17107, 17683, 17685, 17687, 18366, 18368, 18370	<code>\unrestored@protected@xdef</code> 2216, 2224, 2232, 5401, 5430, 5459, 6282, 6289, 6296, 11192, 11201, 11360, 11375, 12301, 12312, 12323, 12334	
<code>\underline</code> . 20813, 20821	<code>\unsetfootnoteRL</code> 11207, 11208	
<code>\undertext</code> 20821	<code>\unsetLTR</code> . . 15521, 20602	
<code>\unexpanded</code> 2986, 2995, 2996, 3003, 3004, 3017, 3018, 3025, 3026, 3127, 3248	<code>\unsetRTL</code> . . . 15559, 20633	
<code>\unhbox</code> 1489, 6129, 6394, 7133, 10144, 10167, 10176, 10179, 10421, 10425, 10431, 10435, 10441, 10444, 10450, 10453, 20743, 20864, 20865, 20866, 20867	<code>\unsetRTL</code> . . 15520, 20601	
<code>\unhcopy</code> 18628, 18640, 18716	<code>\unskip</code> 46, 60, 76, 249, 263, 278, 336, 1441, 1442, 1443, 4710, 4713, 4716, 4719, 5409, 5438, 5467, 6156, 6167, 7029, 7335, 7398, 7575, 7587, 7598, 7600, 7604, 7608, 9116, 10145, 10146, 11338, 11576, 11625, 13665, 13707, 13710, 14491, 14591, 16737, 16747, 16765, 17100, 17121, 17126, 17135, 17680, 17701, 17706, 17715, 18363, 18384, 18389, 18398, 20936, 20983, 21212	
<code>\unhskip</code> 3646	<code>\untilcondition</code> 3727, 3741, 3825, 3868	
<code>\unitindent</code> 630, 641, 642, 644, 718, 724, 868, 869, 871, 937, 938, 940, 941, 953, 958, 1052, 1124, 1125, 1127, 1189, 1198, 1204, 6420, 6421, 6423, 6498, 6504, 6597, 6598, 6600, 6651, 6657, 15756, 15767, 15768, 15770, 15821, 15827, 16139, 16140, 16142, 16206, 16244, 16250	<code>\unvbox</code> 7043, 7044, 7298, 7301, 7318, 7322, 7335, 7385, 7398, 7444, 7502, 7510, 7511, 7520, 7598, 7600, 7604, 7607, 7613, 7617, 7676, 7684,	
<code>\unitlength</code> 7197, 7207, 7220, 7230, 7243, 7253, 7266, 7276, 15174		
<code>\unkern</code> 5318		



20936, 20983,	12197, 12200,	\v@ccc 7464, 7470, 7472,
21031, 21036,	12201, 12208,	7473, 7474, 7475,
21047, 21051,	12210, 12214,	7484, 7492, 7630,
21058, 21063, 21070	12216, 12221,	7642, 7643, 7647,
\unvcopy . 7570, 8017, 8074	12223, 12227,	7650, 7654, 7660, 7666
\uppercase 308,	12229, 12233,	\vadjust . 6132, 6133, 6140
763, 783, 1015,	12235, 12239,	\valign 9155, 9159
1035, 1265, 1285,	12241, 12254,	\value 5199, 5218,
6552, 6729, 15895,	12256, 13091,	5237, 5269, 11044,
15915, 16034, 16056	13093, 15170,	11059, 11060,
\uppercasenonmath .	15171, 15173,	11063, 11064,
. 114, 12916	15180, 15198,	11067, 12962,
\uppermargin 8256	15469, 15470, 20547	12963, 13034,
\uppertitleback . . .	\usecounter 91,	13068, 17090,
. 16946, 17495, 18194	294, 572, 707,	17670, 18353, 18732
\upshape	970, 1220, 2556,	\varcustomer . . 17944,
5586, 5593, 5600,	5701, 6487, 6675,	17970, 17971, 17974
5607, 5614, 7808,	6984, 8508, 8779,	\varinvoice . . . 17945,
7812, 7813, 7900,	10616, 12856,	17976, 17977, 17980
7905, 7906, 15611	15839, 16233,	\varmyref 17943,
\urlstyle 2379	16427, 16630,	17964, 17965, 17968
\use 13889	17034, 17039,	\varrefitemi . . 17946,
\usebox . . . 2085, 2095,	17614, 17619,	17982, 17983, 17986
4551, 4683, 4685,	18297, 18302, 18959	\varrefitemii . 17947,
4690, 4692, 4701,	\usekomafont . . 16818,	17988, 17989, 17992
4702, 4705, 4706,	16825, 16862,	\varrefitemiii 17948,
4913, 8362, 8365,	16975, 17226,	17994, 17995, 17998
8373, 8380, 8388,	17229, 17246,	\varrefitemnamei . 17984
8395, 8438, 11991,	17248, 17367,	\varrefitemnameii 17990
11995, 12078,	17374, 17411,	\varrefitemnameiii 17996
12080, 12084,	17524, 17806,	\varyourmail . . 17942,
12086, 12091,	17809, 17825,	17958, 17959, 17962
12093, 12097,	17828, 18066,	\varyourref . . . 17941,
12099, 12103,	18073, 18110,	17952, 17953, 17956
12105, 12109,	18223, 18489,	\vbadness . 7334, 7397,
12111, 12117,	18492, 18508, 18511	9154, 9158, 10774,
12118, 12121,	\usepackage 4090,	10810, 10915,
12122, 12126,	4091, 4096, 4097,	11575, 11624,
12127, 12130,	4100, 4103, 4148, 4149	14490, 14590,
12131, 12134,	\usetocbasicnumberline	15350, 20935, 20982
12135, 12138,	. . . . . 19642	\vbox 306, 391, 397, 1409,
12139, 12153,		1476, 2296, 4940,
12154, 12156,	V	4941, 4943, 6116,
12157, 12169,	\v@aaa 7463,	7037, 7042, 7120,
12170, 12172,	7465, 7466, 7467,	7298, 7301, 7318,
12173, 12179,	7469, 7471, 7472,	7322, 7335, 7350,
12180, 12183,	7473, 7474, 7629,	7367, 7383, 7398,
12184, 12188,	7631, 7633, 7635,	7413, 7426, 7442,
12189, 12192,	7636, 7641, 7642,	7464, 7470, 7475,
12193, 12196,	7644, 7647, 7648, 7651	7478, 7484, 7487,



7492, 7497, 7501,	14519,	14521,	740, 769, 928, 931,
7509, 7519, 7570,	14529,	14547,	992, 1021, 1180,
7598, 7600, 7603,	14552,	14591,	1183, 1242, 1271,
7612, 7630, 7642,	14614,	14619,	6116, 6473, 6476,
7654, 7655, 7660,	14621,	14629,	6529, 6558, 6661,
7662, 7666, 7670,	14647,	14652,	6664, 6706, 6735,
7675, 7683, 7693,	14683,	15222,	6808, 6822, 7973,
7741, 7747, 7965,	15384,	15385,	7994, 8531, 8545,
7973, 7974, 7982,	15398,	15402,	8626, 8640, 10631,
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8003, 8017, 8022,	15423,	15434,	15747, 15750,
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8034, 8051, 8058,	15453,	15456,	16011, 16040,
8074, 8079, 8083,	15461,	15498,	16197, 16200,
8084, 8087, 8088,	15505,	15506,	16276, 16290,
8103, 8110, 8932,	15513,	15622,	16463, 16477, 21274
8943, 8954, 9046,	17117,	17697,	\vfill 1934, 5896,
9229, 9241, 9254,	18380,	18684,	9155, 9159, 10543,
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9441, 9453, 9466,	20147,	20150,	15455, 16662,
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10120, 10142,	20733,	20738,	18124, 18129, 18135
10322, 10334,	20832,	20849,	\vfuzz . . . 5167, 5170, 5171
10346, 10370,	20936,	20951,	\vleftskip . 14364, 14365
10383, 10389,	20983,	20998,	\voffset 1962
10397, 10403,	21029,	21045,	\voidb@x 7010, 7074
10411, 10480,	21056,	21190,	\vphantom 20310
10488, 10503,	21231, 21270, 21273		\vpic . 15374, 15384, 15385
10788, 10825,	\vboxL 15506,		\vrighskip . 14364, 14365
10916, 10921,	16652, 16697, 20584		\vrule 380,
10946, 10961,	\vboxR 15498, 20575		1488, 4942, 4943,
10986, 11277,	\vcenter 391, 1473, 7117,		6115, 6117, 7132,
11291, 11305,	18718, 20651,		7354, 7419, 7482,
11324, 11448,	20740, 20741, 20832		7494, 7659, 7668,
11461, 11485,	\veqno 327, 328		10790, 10831,
11576, 11593,	\verb 18731		11599, 11646,
11625, 11642,	\VerbBox 8419, 8421		13567, 13624,
11741, 11752,	\verse@i 6146,		13973, 14235,
11777, 13576,	6177, 6183, 6191, 6232		14316, 14524,
13638, 13643,	\verse@ii		14531, 14556,
13646, 13651,	6157, 6178, 6184,		14624, 14631,
13652, 13655,	6186, 6192, 6194, 6232		14658, 14687,
13675, 13713,	\versewidth		14800, 14814,
14245, 14396,	. . . 6109, 6119, 6211		18644, 18672,
14491, 14514,	\vfil 413, 427, 621, 624,		18713, 20835,



	20955, 21004, 21204	10960,	10964,	16988,	16993,
\vsize	. . . . 7540, 7715,	10965,	11340,	17073,	17078,
	10936, 11413,	11449,	11487,	17162,	17164,
	11464, 13650, 13658	11492,	11744,	17168,	17170,
\vskip	. . . . . 309, 312,	11755,	11762,	17181,	17183,
	414, 417, 423, 482,	11782,	13053,	17191,	17193,
	488, 494, 498, 560,	13173,	13186,	17366,	17373,
	639, 741, 750, 760,	13594,	13611,	17407,	17410,
	831, 835, 841, 845,	13612,	13614,	17412,	17418,
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	1012, 1083, 1087,	14392,	14395,	17438,	17516,
	1093, 1097, 1122,	14436,	14445,	17520,	17523,
	1243, 1252, 1262,	14453,	14522,	17525,	17532,
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	1348, 1354, 1357,	14532,	14549,	17542,	17653,
	2311, 6172, 6199,	14622,	14623,	17658,	17742,
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	6246, 6248, 6359,	14649,	14694,	17750,	17761,
	6361, 6418, 6457,	14706,	14725,	17763,	17771,
	6530, 6539, 6549,	14737,	14749,	17773,	17949,
	6595, 6634, 6707,	15349,	15366,	17950,	18065,
	6716, 6726, 6757,	15387,	15453,	18072,	18106,
	6762, 6766, 6768,	15539,	15545,	18109,	18111,
	6774, 6778, 6780,	15765,	15804,	18117,	18119,
	6809, 6812, 6818,	15873,	15882,	18121,	18137,
	6877, 6883, 6889,	15892,	15963,	18215,	18219,
	6893, 6913, 6952,	15967,	15973,	18222,	18224,
	6957, 6965, 7384,	15977,	16012,	18231,	18233,
	7443, 7504, 7505,	16021,	16031,	18236,	18241,
	7513, 7514, 7523,	16106,	16113,	18336,	18341,
	7524, 7605, 7678,	16119,	16123,	18425,	18427,
	7679, 7687, 7688,	16129,	16132,	18431,	18433,
	7697, 7698, 8038,	16137,	16176,	18444,	18446,
	8092, 8488, 8496,	16277,	16280,	18454,	18456,
	8532, 8535, 8541,	16286,	16350,	19078,	19097,
	8596, 8600, 8606,	16356,	16361,	19118,	19135,
	8610, 8627, 8630,	16364,	16383,	19152,	19169,
	8636, 8695, 8701,	16464,	16467,	19186,	19204,
	8707, 8711, 8746,	16473,	16532,	19223,	19243,
	8751, 8760, 9066,	16538,	16544,	19278,	19467,
	9091, 9099, 9107,	16548,	16568,	20004,	20188,
	9121, 9137, 10462,	16606,	16610,	20367,	20371,
	10471, 10484,	16618,	16817,	20390,	20755,
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	10635, 10641,	16967,	16971,	21190,	21269,
	10696, 10700,	16974,	16976,	21282, 21309, 21317	
	10706, 10710,	16983,	16985,	\vspace	2479, 4544, 4634,



4642, 5260, 5264,	20739, 20832,	17997, 18003,
5326, 5331, 5344,	20849, 21105, 21149	18378, 18624,
5349, 5362, 5367,		18782, 18833,
5484, 5493, 5502,		18887, 18904,
5583, 5590, 5597,		19647, 19661,
5604, 5611, 5894,		20401, 20445,
5938, 5942, 6751,		20625, 20809, 21311
6771, 6946, 6960,		\WF@everypar 20364
8740, 8755, 8800,		\WF@adlw .. 20404, 20429
8802, 8804, 10579,		\WF@adwtlm . 20426, 20429
10591, 12947,		\WF@box 20401, 20434, 20435
12949, 13695,		\WF@floatfalse 20367,
13708, 16601,		20375, 20385, 20388
16613, 18007,		\WF@fltnes 20394
18010, 18012,		\WF@info 20374,
18017, 18986,		20384, 20387,
18992, 18997,		20396, 20431, 20433
19004, 19009, 19014		\WF@ovh 20401
\vsplit 7293,		\WF@place .. 20399, 20405
7294, 7311, 7315,		\WF@putfigmaybe .. 20365
7336, 7399, 7465,		\WF@size ... 20378, 20432
7471, 7476, 7631,		\WF@startwrapping 20437
7633, 7642, 7654,		\WF@wfname 20396, 20431, 20433
7744, 9164, 10775,		\WF@wrapil . 20425, 20428
10811, 11457,		\whilecondition 3727,
11577, 11626,		3741, 3830, 3862
14492, 14592,		\whiledo 10920
15355, 15358,		\widowpenalty ... 92,
15377, 15378,		295, 578, 710,
15396, 15400,		973, 1223, 2559,
15405, 15409,		6220, 6490, 6678,
15421, 15432,		6990, 8511, 8785,
15459, 20937, 20984		10619, 12857,
\vss 306,		15074, 15842,
7370, 7429, 7465,		16236, 16433,
7471, 7476, 7484,		16636, 17044,
7487, 7492, 7497,		17624, 18307, 18965
7632, 7642, 7654,		\WIDTH 18833, 18841
7660, 7662, 7666,		\width .. 11407, 11808,
7670, 7745, 8030,		11896, 11898,
8040, 8085, 8094,		14282, 14291, 14315
10987, 13643,		\widthof 8287, 8292
13655, 14246,		\windowbox . 15451, 15457
15384, 15385,		\wlog 7466, 7472,
15456, 15622, 20743		7474, 7635, 7643, 7650
\vtop .. 391, 397, 1408,		\write 2601,
1475, 5001, 5045,		4321, 6105, 6108,
5089, 7043, 7119,		6319, 18770, 20917
13558, 18684,		\wstrutbox . 15361, 15363
18718, 18723,		



X			3026, 3029, 3030,	\yourrefname 17954
\x	3862, 3863,		3414, 4212, 4367,	\yym . 8205, 8209, 8215, 8219
	4333, 4336, 8205,		6123, 6125, 6206,	
	8206, 8209, 8210,		6208, 6210, 7338,	
	8215, 8219, 8223,		7340, 7401, 7403,	Z
	8224, 8227, 8228,		7983, 8004, 8049,	\z@ 12, 24, 46, 60,
	8233, 8237, 12822,		8055, 8056, 8101,	76, 99, 103, 111,
	12831, 12833, 12845		8107, 8108, 10227,	128, 134, 136, 207,
\XC@tmp	20472, 20473,		10241, 10289,	219, 223, 249, 263,
	20487, 20521,		10303, 10473,	278, 306, 314, 318,
	20522, 20530, 20534		10777, 10779,	336, 350, 354, 357,
\XC@tstfalse	20472, 20521		10813, 10815,	368, 383, 388, 394,
\XC@tsttrue . .	20473,		11178, 11579,	395, 459, 506, 518,
	20474, 20475,		11581, 11628,	523, 550, 589, 594,
	20522, 20523, 20524		11630, 11771,	595, 605, 609, 610,
\XC@bidideclaredc@lor			12432, 13003,	639, 640, 643, 645,
	. . . . . 20528, 20533		13574, 14494,	658, 683, 735, 752,
\XC@bidideclaredcolor			14496, 14594,	810, 854, 858, 859,
	. . . . . 20527, 20529		14596, 15305,	866, 867, 870, 873,
\XC@bidiundeclaredcolor			15312, 15319,	885, 902, 939, 942,
	. . . . . 20512, 20514		18904, 20029,	987, 1004, 1050,
\XC@coremodel	20456, 20499		20033, 20054,	1062, 1106, 1110,
\XC@current@color .			20058, 20120,	1111, 1122, 1123,
	. . . . . 20484,		20124, 20399,	1126, 1128, 1141,
	20487, 20488,		20404, 20425,	1167, 1237, 1254,
	20518, 20534, 20535		20426, 20428,	1312, 1349, 1375,
\XC@declaredc@lor .			20429, 20939,	1379, 1382, 1395,
	. . . . . 20479, 20486		20941, 20986, 20988	1417, 1425, 1443,
\XC@declaredcolor	20478	\XeLaTeX	12814,	1453, 1455, 1465,
\XC@display . . .	20485,		20629, 21478, 21479	1467, 1472, 1486,
	20489, 20519, 20536	\XeTeX	12813, 15555,	1488, 1489, 1620,
\XC@edef . . .	20472, 20521		20627, 21476, 21477	1625, 1626, 1627,
\XC@fbox	20540	\XeTeXcharclass	1773,	1629, 1893, 1898,
\XC@getmodclr	20452, 20495		1774, 1775, 1776	1899, 1900, 1902,
\XC@inflate .	20466, 20509	\XeTeXinterchartokenstate		2256, 2311, 2571,
\XC@let@Nc .	20487, 20534		. . . . . 1770	2581, 2586, 3707,
\XC@mclr . . .	20466, 20509	\XeTeXinterchartoks	1777	3717, 4441, 4450,
\XC@mmod	20464,	\xm	8206, 8210, 8224, 8228	4749, 4982, 4986,
	20465, 20507, 20508	\xxm	8214, 8218, 8232, 8236	5026, 5030, 5070,
\XC@mul	20467, 20510	\xyzy	5148	5074, 5660, 5687,
\XC@split	20530			5718, 5730, 5908,
\XC@tgt@mod .	20460, 20503	Y		6136, 6139, 6142,
\XC@type . . .	20473, 20522	\y	8206, 8210, 8214,	6183, 6184, 6186,
\XC@undeclaredcolor			8218, 8223, 8224,	6192, 6206, 6210,
	. . . . . 20469, 20480		8227, 8228, 8232,	6214, 6215, 6216,
\xcolor@ . . .	20484, 20518		8233, 8236, 8237,	6217, 6218, 6219,
\xdef	333,		12818, 12820,	6232, 6245, 6313,
	386, 2038, 2783,		12821, 12824, 12831	6325, 6326, 6333,
	2918, 3003, 3004,	\ym	8223, 8227, 8233, 8237	6335, 6348, 6350,
	3007, 3008, 3025,	\yourmailname	17960	6358, 6402, 6406,
				6407, 6418, 6419,



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6516, 6524, 6541,	10720,	10722,	14608,	14618,
6579, 6583, 6584,	10751,	10902,	14676,	14693,
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6601, 6614, 6637,	11010,	11012,	14725,	14737,
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7133, 7138, 7139,	11539,	11560,	15551,	15552,
7140, 7141, 7142,	11561,	11727,	15553,	15562,
7176, 7187, 7305,	11802,	11803,	15563,	15576,
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7525, 7543, 7546,	11818,	11819,	15622,	15667,
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7689, 7699, 7718,	11822,	11824,	15731,	15735,
7721, 7971, 7992,	11825,	11827,	15736,	15765,
8009, 8010, 8012,	11828,	11830,	15766,	15769,
8013, 8021, 8043,	11864,	11865,	15771,	15784,
8045, 8048, 8066,	11866,	11867,	15807,	15853,
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8438, 8439, 8445,	12885,	12889,	16083,	16124,
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8732, 8741, 8756,	13085,	13097,	16218,	16220,
8874, 8880, 8886,	13099,	13139,	16222,	16275,
8999, 9004, 9011,	13146,	13151,	16318,	16327,
9016, 9023, 9028,	13162,	13234,	16354,	16371,
9134, 9135, 9136,	13536,	13538,	16386,	16407,
9216, 9322, 9428,	13570,	13576,	16409,	16411,
9537, 9646, 9755,	13579,	13584,	16445,	16450,
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10151, 10224,	13638,	13642,	16556,	16571,
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10469, 10470,	14352,	14355,	16694,	16695,
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16738,	16739,	18538,	18544,	20597,	20623,
16744,	16748,	18554,	18564,	20624,	20625,
16749,	16750,	18574,	18615,	20676,	20677,
16755,	16756,	18616,	18617,	20678,	20755,
16757,	16762,	18618,	18623,	20764,	20773,
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16848,	16871,	18713,	18806,	20856,	20861,
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16960,	16985,	18828,	18871,	21090,	21130,
17073,	17078,	18872,	18882,	21134,	21175,
17123,	17187,	18886,	18887,	21179,	21182,
17263,	17266,	18888,	18891,	21192,	21193,
17272,	17282,	18900,	18901,	21197,	21204,
17292,	17302,	18903,	18904,	21241,	21267,
17358,	17366,	18906,	18914,	21280, 21320, 21321	
17373,	17375,	18919,	18934,	\z@skip .. 2311, 10957,	
17397,	17420,	19020,	19021,	10958, 13686,	
17438,	17465,	19095,	19185,	13689, 15682,	
17509,	17534,	19203,	19296,	18678, 18683,	
17653,	17658,	19475,	19583,	18716, 18722,	
17703,	17767,	19612,	19922,	20785, 20786,	
17847,	17852,	19926,	20004,	20841, 20847, 21267	
17855,	17861,	20009,	20014,	\zap@space 4078, 4165, 4201	
17871,	17881,	20062,	20188,	\zifrefundefined ..	
17891,	17928,	20374,	20381,	..... 11076, 11099	
18057,	18065,	20382,	20400,	\zref@extractdefault	
18072,	18074,	20416,	20419,	..... 11081, 11102	
18096,	18119,	20428,	20429,	\zref@labelbyprops	
18137,	18164,	20431,	20435,	..... 11047, 11122	
18208,	18233,	20442,	20443,		
18336,	18341,	20444,	20445,	☒	
18386,	18450,	20540,	20545,	\ 1776	
18530,	18535,	20547,	20595,	\ 1776	

