



# The XePersian *Package*

Documentation for *version 20.2*

*to my Master, Ferdowsi The Great*

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<https://github.com/tex-xet/xepersian/issues>

In doing so, please always explain your issue well enough, always include a minimal working example showing the issue, and always choose the appropriate label for your query (i.e. if you are reporting any bugs, choose 'Bug' label).

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# The XePersian *Package*

## Persian for $\text{\LaTeX}$ <sub>2 $\epsilon$</sub> , using Xe $\text{\TeX}$ engine

Documentation for [version 20.2](#)

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## 1 Introduction

XePersian is a package for typesetting Persian/English documents with Xe $\LaTeX$ . The package includes adaptations for use with many other commonly-used packages.

### 1.1 Important Notes

- ☞ The XePersian package only works with Xe $\TeX$  engine.
- ☞ Before reading this documentation, you should have read the documentation of the bidi package. The XePersian package automatically loads bidi package with `RTLdocument` option enabled and hence any commands that bidi package offers, is also available in XePersian package. Here, in this documentation, we will not repeat any of bidi package's commands.
- ☞ In previous versions ( $\leq 1.0.3$ ) of XePersian, a thesis class provided for typesetting thesis. As of version 1.0.4, we no longer provide this class because we are not familiar with specification of a thesis in Iran and even if we were, the specifications are different from University to University. XePersian is a general package like  $\LaTeX$  and should not provide any class for typesetting thesis. So if you really want to have a class file for typesetting thesis, then you should ask your University/department to write one for you.

### 1.2 XePersian Info On The Terminal and In The Log File

If you use XePersian package to write any input  $\TeX$  document, and then run `xelatex` on your document, in addition to what bidi package writes to the terminal and to the log file, the XePersian package also writes some information about itself to the terminal and to the log file, too. The information is something like:

```
*****
*
* xepersian package (Persian for LaTeX, using XeTeX engine)
*
* Description: The package supports Persian
* typesetting, using fonts provided in the
* distribution.
*
* Copyright (c) 2008--2018 Vafa Khalighi
*
* v20.2, 2018/01/02
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/xepersian
*
* Issue tracker: https://github.com/tex-xet/xepersian/issues
```



```
*
* Support: persian-tex@tug.org
*
*****
```

## 2 Basics

### 2.1 Loading The Package

You can load the package in the ordinary way;

```
\usepackage [Options] {xepersian}
```

Where options of the package are explained later in [subsection 2.4](#).  
When loading the package, it is important to know that:

- ❶ xepersian should be the last package that you load, because otherwise you are certainly going to overwrite bidi and XePersian package's definitions and consequently, you will not get the expected output.
- ❷ In fact, in addition to bidi, XePersian also makes sure that some specific packages are loaded before bidi and XePersian; these are those packages that bidi and XePersian modifies them for bidirectional and Persian/English typesetting. If you load XePersian before any of these packages, then you will get an error saying that you should load XePersian or bidi as your last package. When it says that you should load bidi package as your last package, it really means that you should load XePersian as your last package as bidi package is loaded automatically by XePersian package.

For instance, consider the following minimal example:

```
1 \documentclass{minimal}
2 \usepackage{xepersian}
3 \usepackage{enumerate}
4 \settextfont{XB Niloofar}
5 \begin{document}
6 این فقط یک آزمایش است
7 \end{document}
```

Where enumerate is loaded after XePersian. If you run xelatex on this document, you will get an error which looks like this:

```
! Package xepersian Error: Oops! you have loaded package enumerate
after xepersian package. Please load package enumerate before
xepersian package, and then try to run xelatex on your document
again.
```

See the xepersian package documentation for explanation.



```
Type H <return> for immediate help.
...

1.5 \begin{document}

?
```

## 2.2 XePersian's Symbol

As you may know lion symbolizes T<sub>E</sub>X but lion does not symbolizes XePersian. **Simorgh**<sup>1</sup> (shown on the first page of this documentation) symbolizes XePersian.

## 2.3 Commands for Version number, and Date of The Package

```
\xepersianversion \xepersiandate
```

☞ `\xepersianversion` gives the current version of the package.

☞ `\xepersiandate` gives the current date of the package.

```
1 \documentclass{article}
2 \usepackage{xepersian}
3 \settextfont{XB Niloofar}
4 \begin{document}
5 \begin{latin}
6 This is typeset by \textsf{\XePersian} package, \xepersianversion,
7 \xepersiandate.
8 \end{latin}
9 \end{document}
```

## 2.4 Options of The Package

There are few options:

### 2.4.1 defaultlatinfontfeatures Option

```
defaultlatinfontfeatures=<value>
```

The `defaultlatinfontfeatures` option allows you to pass font features to the main Latin font. `<value>` is a set of font features.

<sup>1</sup>Simorgh is an Iranian benevolent, mythical flying creature which has been shown on the titlepage of this documentation. For more details see <http://en.wikipedia.org/wiki/Simurgh>



### 2.4.2 extrafootnotefeatures Option

This is just the `extrafootnotefeatures` Option of `bidi` package. If you enable this option, you can typeset footnotes in paragraph form or in multi-columns (from two-columns to ten-columns). For more details, please read the manual of `bidi` package.

### 2.4.3 Kashida Option

If you pass `Kashida` option to the package, you will use `Kashida` for stretching words for better output quality and getting rid of underfull or overfull `\hbox` messages. Note that you can not use `Kashida` option when you are using `Nastaliq`-like font (well, you still can use `Kashida` option when you use any `Nastaliq`-like font, but I can not guarantee high quality output!).

The following two commands are provided when you activate the `Kashida` option:

`\KashidaOn`   `\KashidaOff`

☞ `\KashidaOn` enables `Kashida` and is active by default when `Kashida` option is activated.

☞ `\KashidaOff` disables `Kashida`.

### 2.4.4 quickindex Option

When you generally want to prepare index for your Persian documents, you need to first run `xelatex`, then `xindy`, and again `xelatex` on your document respectively, which is very time consuming. The `quickindex` option gives you the index with only and only one run of `xelatex`. To use this feature, you will need to run `xelatex --shell-escape` on your `TEX` document; otherwise you get an error which indicates that `shell scape` (or `write18`) is not enabled.

This option is now obsolete and equivalent to `quickindex-variant2` option.

### 2.4.5 quickindex-variant1 Option

Same as `quickindex` Option but uses variant one (in which `ĩ` is grouped under `l`) for sorting Persian alphabets.

### 2.4.6 quickindex-variant2 Option

Same as `quickindex` Option but uses variant two (in which `ĩ` is a separate letter) for sorting Persian alphabets.



### 2.4.7 localise Option

This option allows you to use most frequently-used  $\LaTeX$  commands and environments in Persian, almost like what  $\TeX$ -e-Parsi offers. This is still work in progress and we wish to add lots more Persian equivalents of  $\LaTeX$  and  $\TeX$  commands and environments. The Persian equivalents of  $\LaTeX$  and  $\TeX$  commands are shown in [Table 1](#), The Persian equivalents of XePersian commands are shown in [Table 2](#), Persian equivalents of  $\LaTeX$  environments are shown in [Table 3](#) and Persian equivalents of XePersian environments are shown in [Table 4](#).

Please note that the Persian equivalents of  $\LaTeX$  and  $\TeX$  commands and environments are only available after loading xepersian package. This means that you have to write all commands or environments that come before `\usepackage{xepersian}`, in its original form, i.e. `\documentclass`.

Not only you can use Persian equivalents of  $\LaTeX$  and  $\TeX$  commands and environments, but still original  $\LaTeX$  and  $\TeX$  commands and environments work too.

The  $\TeX$ ,  $\LaTeX$  and XePersian commands and environments and their Persian equivalents listed in [Table 1](#), [Table 2](#), [Table 3](#) and [Table 4](#) is not the whole story; If any command and environment in [Table 1](#), [Table 2](#), [Table 3](#) and [Table 4](#) have a starred version, their starred version also work. For example in [Table 1](#), the Persian equivalent of `\chapter` is `فصل`. I know that `\chapter` has a starred version, so this means `*فصل` is also the Persian equivalent of `\chapter*`. Is that clear?

However there is more; you can localise any other commands/environments you want. You can use the following commands to localise your own commands/environments:

```
\eqcommand{<command-name in Persian>}{<original LaTeX command-name>}
\eqenvironment{<environment-name in Persian>}{<original LaTeX environment-name>}
```

Table 1: The Equivalent  $\LaTeX$  and  $\TeX$  Commands

Command in $\TeX$ or $\LaTeX$	Equivalent Persian Command
<code>\@arstrut</code>	شمع جدول
<code>\above</code>	فوق
<code>\abovedisplayshortskip</code>	فاصله کوتاه بالای نمایش
<code>\abovedisplayskip</code>	فاصله بالای نمایش
<code>\abstractname</code>	عنوان چکیده
<code>\accent</code>	اکسنت
<code>\active</code>	فعال
<code>\addcontentsline</code>	بیفزاسطر فهرست
<code>\addpenalty</code>	اضافه بر جریمه
<code>\address</code>	نشانی
<code>\addtocontents</code>	بیفزابه فهرست
<code>\addtocounter</code>	اضافه بر شمارنده
<code>\addtolength</code>	اضافه بر بعد

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\addvspace</code>	<code>\بیفزاقضای و</code>
<code>\adjdemerits</code>	<code>\تنظیم بدنمایی</code>
<code>\advance</code>	<code>\بیفزابر</code>
<code>\afterassignment</code>	<code>\بعد از انتساب</code>
<code>\aftergroup</code>	<code>\بعد از گروه</code>
<code>\aleph</code>	<code>\الف</code>
<code>\aliasfontfeature</code>	<code>\خصیصه مستعار قلم</code>
<code>\aliasfontfeatureoption</code>	<code>\انتخاب خصیصه مستعار قلم</code>
<code>\allowbreak</code>	<code>\شکستی</code>
<code>\alloc@</code>	<code>\تخصی @</code>
<code>\allocationnumber</code>	<code>\تخصیص یافته</code>
<code>\allowdisplaybreaks</code>	<code>\شکست نمایش مجاز</code>
<code>\Alph</code>	<code>\حروف بزرگ</code>
<code>\alph</code>	<code>\حروف کوچک</code>
<code>\alsename</code>	<code>\نام همچنین</code>
<code>\and</code>	<code>\و</code>
<code>\angle</code>	<code>\زاویه</code>
<code>\appendixname</code>	<code>\عنوان پیوست</code>
<code>\approx</code>	<code>\تقریب</code>
<code>\arabic</code>	<code>\عربی</code>
<code>\arg</code>	<code>\آرگ</code>
<code>\arrayrulecolor</code>	<code>\رنگ خط جدول</code>
<code>\arraycolsep</code>	<code>\فاصله ستونهای آرایه</code>
<code>\arrayrulewidth</code>	<code>\ضخامت خط جدول</code>
<code>\arraystretch</code>	<code>\کشیدگی آرایه</code>
<code>\AtBeginDocument</code>	<code>\در آغاز نوشتار</code>
<code>\AtEndDocument</code>	<code>\در پایان نوشتار</code>
<code>\AtEndOfClass</code>	<code>\در انتهای طبقه</code>
<code>\AtEndOfPackage</code>	<code>\در انتهای سبک</code>
<code>\author</code>	<code>\نویسنده</code>
<code>\backmatter</code>	<code>\مطلب پشت</code>
<code>\backslash</code>	<code>\شکاف پشت</code>
<code>\badness</code>	<code>\بدنمایی</code>
<code>\bar</code>	<code>\میله</code>
<code>\baselineskip</code>	<code>\فاصله کرسی</code>
<code>\baselinestretch</code>	<code>\کشش فاصله کرسی</code>
<code>\batchmode</code>	<code>\پردازش دسته ای</code>
<code>\begin</code>	<code>\شروع</code>
<code>\beginL</code>	<code>\شروع چپ</code>
<code>\beginR</code>	<code>\شروع راست</code>

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\begingroup	\شروع گروه
\belowdisplayshortskip	\فاصله کوتاه پایین نمایش
\belowdisplayskip	\فاصله پایین نمایش
\bf	\سیاه
\bfdefault	\پیش فرض سیاه
\bfseries	\شمايل سیاه
\bgroup	\شرگروه
\bibitem	\مرجع
\bibliography	\کتاب نامه
\bibliographystyle	\سبک کتاب نامه
\bibname	\عنوان کتاب نامه
\bigskip	\پرش بلند
\bigskipamount	\مقدار پرش بلند
\botfigrule	\خط پایین شناور
\botmark	\علامت پایین
\bottompageskip	\کادر تا پایین
\bottomfraction	\نسبت پایین
\box	\کادر
\boxmaxdepth	\حد اکثر عمق کادر
\break	\بشکن
\bullet	\گلوله
\@cclv	\دوپن @ پنج
\@cclvi	\دوپن @ شش
\caption	\شرح
\catcode	\کدرده
\cc	\رونوشت
\ccname	\نام رونوشت
\cdot	\نقطه وسط
\cdots	\نقاط وسط
\centering	\تنظیم از وسط
\centerline	\خط وسط
\ch@ck	\چک @ ن
\chapter	\فصل
\chaptername	\عنوان فصل
\char	\نویسه
\chardef	\تعریف نویسه
\CheckCommand	\برسی فرمان
\cite	\مرجع
\ClassError	\خطای طبقه
\ClassInfo	\اطلاع طبقه

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
\ClassWarning	\هشدارطبقه
\ClassWarningNoLine	\هشدارطبقه بی سطر
\cleaders	\نشانگرمرکزی
\cleardoublepage	\دو صفحه پاک
\clearpage	\صفحه پاک
\cline	\خط ناپر
\closein	\ببندورودی
\closeout	\ببندخروجی
\closing	\بستن
\clubpenalty	\جریمه سربند
\clubsuit	\خاج
\colbotmark	\علامت پایین ستون اول
\colfirstmark	\علامت اول ستون اول
\color	\رنگ
\colorbox	\کادررنگ
\coltopmark	\علامت بالای ستون اول
\columncolor	\رنگ ستون
\columnsep	\بین ستون
\columnwidth	\پهنای ستون
\columnseprule	\خط بین ستون
\contentsline	\سطرفهرست
\contentsname	\عنوان فهرست مطالب
\copy	\کپی
\copyright	\حق تالیف
\count	\شمار
\count@	\شمار@
\countdef	\تعریف شمار
\cr	\سخ
\crr	\سخ سخ
\csname	\نام فرمان
\CurrentOption	\گزینه جاری
\dashbox	\کادر بینابین
\dashv	\بینابین ع
\@date	\@تاریخ
\date	\تاریخ
\day	\روز
\dblbotfigrule	\خط پایین شناورپهن
\dblbottomfraction	\نسبت پهن پایین
\dblfigrule	\خط بالای شناورپهن
\dblfloatpagefraction	\نسبت صفحه شناورپهن

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\dblfloatsep</code>	\فاصله بین شناور پهن
<code>\dblftntlocatecode</code>	\کدامکان غیرهمانطور
<code>\dbltextfloatsep</code>	\فاصله متن و شناور پهن
<code>\dbltopfraction</code>	\نسبت پهن بالا
<code>\DeclareFixedFont</code>	\اعلان قلم ثابت
<code>\DeclareGraphicsExtensions</code>	\اعلان پسوند گرافیک
<code>\DeclareGraphicsRule</code>	\اعلان دستور گرافیک
<code>\DeclareOldFontCommand</code>	\اعلان فرمان قلم قدیمی
<code>\DeclareOption</code>	\اعلان گزینه
<code>\DeclareRobustCommand</code>	\اعلان فرمان قوی
<code>\DeclareSymbolFont</code>	\اعلان قلم علائم
<code>\deadcycles</code>	\دور بسته
<code>\def</code>	\تر
<code>\define@key</code>	\تعریف @کلید
<code>\definecolor</code>	\تعریف رنگ
<code>\deg</code>	\درجه
<code>\delcode</code>	\کد جداساز
<code>\delimiter</code>	\جداساز
<code>\delimiterfactor</code>	\ضریب جداساز
<code>\depth</code>	\گودی
<code>\diamondsuit</code>	\خشت
<code>\dim</code>	\ابعاد
<code>\dimen</code>	\بعد
<code>\dimen@</code>	\بعد @
<code>\dimen@i</code>	\بعد @یک
<code>\dimen@ii</code>	\بعد @دو
<code>\dimendef</code>	\تعریف بعد
<code>\discretionary</code>	\تیره گذاری
<code>\displaybreak</code>	\شکست نمایش
<code>\displayindent</code>	\تورفتگی نمایش
<code>\displaystyle</code>	\سبک نمایش
<code>\displaywidth</code>	\عرض نمایش
<code>\divide</code>	\تقسیم
<code>\documentclass</code>	\طبقه نوشتار
<code>\do</code>	\کن
<code>\dospecials</code>	\تعویض کدها
<code>\dot</code>	\نقطه
<code>\doteq</code>	\نقطه مساوی
<code>\dotfill</code>	\پر نقطه
<code>\dots</code>	\نقاط

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\doublebox</code>	<code>\کادر دولا</code>
<code>\doublerulesepcolor</code>	<code>\رنگ فاصله دو خط جدول</code>
<code>\doublerulesep</code>	<code>\فاصله بین دو خط</code>
<code>\downarrow</code>	<code>\فلش پایین</code>
<code>\dp</code>	<code>\عمق</code>
<code>\dump</code>	<code>\تخلیه</code>
<code>\edef</code>	<code>\ترگ</code>
<code>\egroup</code>	<code>\پا گروه</code>
<code>\eject</code>	<code>\انتهای فاصله</code>
<code>\else</code>	<code>\گرنه</code>
<code>\em</code>	<code>\تاکید</code>
<code>\emergencystretch</code>	<code>\کشش لاجرم</code>
<code>\emph</code>	<code>\موکد</code>
<code>\@empty</code>	<code>\@پوچ</code>
<code>\empty</code>	<code>\پوچ</code>
<code>\emptyset</code>	<code>\مجموعه پوچ</code>
<code>\end</code>	<code>\پایان</code>
<code>\endL</code>	<code>\پایان چپ</code>
<code>\endR</code>	<code>\پایان راست</code>
<code>\endcsname</code>	<code>\پایان نام فرمان</code>
<code>\endfirsthead</code>	<code>\پایان اولین سر</code>
<code>\endfoot</code>	<code>\پایان پا</code>
<code>\endgraf</code>	<code>\ته بند</code>
<code>\endgroup</code>	<code>\پایان گروه</code>
<code>\endhead</code>	<code>\پایان سر</code>
<code>\endinput</code>	<code>\پایان ورودی</code>
<code>\endlastfoot</code>	<code>\پایان آخرین پا</code>
<code>\enlargethispage</code>	<code>\گسترش این صفحه</code>
<code>\endline</code>	<code>\ته سطر</code>
<code>\endlinechar</code>	<code>\نویسه ته سطر</code>
<code>\enspace</code>	<code>\ان دوری</code>
<code>\enskip</code>	<code>\ان فاصله</code>
<code>\eqcommand</code>	<code>\فرمان جانشین</code>
<code>\eqenvironment</code>	<code>\محیط جانشین</code>
<code>\eqref</code>	<code>\ارجاع فر</code>
<code>\errhelp</code>	<code>\کمک خطا</code>
<code>\errmessage</code>	<code>\پیام خطا</code>
<code>\errorcontextlines</code>	<code>\سطر متن خطا</code>
<code>\errorstopmode</code>	<code>\پردازش توقف خطا</code>
<code>\escapechar</code>	<code>\نویسه ویژه</code>

*Continued on next page*



### Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X    Equivalent Persian Command

<code>\euro</code>	<code>\یورو</code>
<code>\evensidemargin</code>	<code>\حاشیه زوج</code>
<code>\everycr</code>	<code>\هرسخ</code>
<code>\everydisplay</code>	<code>\هرنمایش</code>
<code>\everyhbox</code>	<code>\هرکادرا</code>
<code>\everyjob</code>	<code>\هرکار</code>
<code>\everymath</code>	<code>\هرریاضی</code>
<code>\everypar</code>	<code>\هربند</code>
<code>\everyvbox</code>	<code>\هرکادرو</code>
<code>\ExecuteOptions</code>	<code>\اجرای گزینه ها</code>
<code>\exhyphenpenalty</code>	<code>\جریمه اضافی تیره بندی</code>
<code>\expandafter</code>	<code>\بگستر پس از</code>
<code>\extracolsep</code>	<code>\فاصله اضافی بین ستونها</code>
<code>\@firstofone</code>	<code>\@اولی از یک</code>
<code>\@firstoftwo</code>	<code>\@اولی از دو</code>
<code>\f@ur</code>	<code>\چ@ار</code>
<code>\fam</code>	<code>\خانواده</code>
<code>\fancy page</code>	<code>\صفحه تجملی</code>
<code>\fbox</code>	<code>\کادر با</code>
<code>\fboxrule</code>	<code>\ضخامت کادر با</code>
<code>\fboxsep</code>	<code>\حاشیه کادر با</code>
<code>\fcolorbox</code>	<code>\کادر با رنگ</code>
<code>\fi</code>	<code>\رگ</code>
<code>\figurename</code>	<code>\عنوان شکل</code>
<code>\filbreak</code>	<code>\پر شکن</code>
<code>\fill</code>	<code>\پر</code>
<code>\firstmark</code>	<code>\علامت اول</code>
<code>\flat</code>	<code>\پهن</code>
<code>\floatpagefraction</code>	<code>\نسبت صفحه شناور</code>
<code>\floatingpenalty</code>	<code>\جریمه شناور</code>
<code>\floatsep</code>	<code>\فاصله بین شناور</code>
<code>\flushbottom</code>	<code>\تنظیم از پایین</code>
<code>\fmtname</code>	<code>\شکل بندی</code>
<code>\fmtversion</code>	<code>\رده شکل بندی</code>
<code>\fnsymbol</code>	<code>\نشانه</code>
<code>\font</code>	<code>\قلم</code>
<code>\fontdimen</code>	<code>\بعد قلم</code>
<code>\fontencoding</code>	<code>\رمزینه قلم</code>
<code>\fontfamily</code>	<code>\فامیل قلم</code>
<code>\fontname</code>	<code>\نام قلم</code>

*Continued on next page*



### Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X      Equivalent Persian Command

<code>\fontseries</code>	<code>\شمايل قلم</code>
<code>\fontshape</code>	<code>\شكل قلم</code>
<code>\fontsize</code>	<code>\اندازه قلم</code>
<code>\footheight</code>	<code>\بلنداي پايين صفحه</code>
<code>\footins</code>	<code>\درج زيرويس</code>
<code>\footnote</code>	<code>\زيرويس</code>
<code>\footnotemark</code>	<code>\علامت زيرويس</code>
<code>\footnoterule</code>	<code>\خط زيرويس</code>
<code>\footnotesep</code>	<code>\فاصله تازيرويس</code>
<code>\footnotesize</code>	<code>\اندازه زيرويس</code>
<code>\footnotetext</code>	<code>\متن زيرويس</code>
<code>\footskip</code>	<code>\فاصله تاپايين صفحه</code>
<code>\frame</code>	<code>\فريم</code>
<code>\framebox</code>	<code>\كادر باخط</code>
<code>\frenchspacing</code>	<code>\فواصل يكنواخت لاتين</code>
<code>\frontmatter</code>	<code>\مطلب پيش</code>
<code>\futurelet</code>	<code>\بعد بگذار</code>
<code>\@gobble</code>	<code>\@خورخري صانه</code>
<code>\@gobbletwo</code>	<code>\@خورخري صانه دو</code>
<code>\@gobblefour</code>	<code>\@خورخري صانه چهار</code>
<code>\@gtempa</code>	<code>\@عاقبت آ</code>
<code>\@gtempb</code>	<code>\@عاقبت ب</code>
<code>\gdef</code>	<code>\ترع</code>
<code>\GenericInfo</code>	<code>\الگوی اطلاع</code>
<code>\GenericWarning</code>	<code>\الگوی هشدار</code>
<code>\GenericError</code>	<code>\الگوی خطا</code>
<code>\global</code>	<code>\عام</code>
<code>\globaldefs</code>	<code>\تعريف عام</code>
<code>\glossary</code>	<code>\لغت نامه</code>
<code>\glossaryentry</code>	<code>\فقره فرهنگ</code>
<code>\goodbreak</code>	<code>\خوش شكن</code>
<code>\graphpaper</code>	<code>\كاغذگراف</code>
<code>\guillemotleft</code>	<code>\گيومه چپ</code>
<code>\guillemotright</code>	<code>\گيومه راست</code>
<code>\guilsinglleft</code>	<code>\گيومه تكي چپ</code>
<code>\guilsinglright</code>	<code>\گيومه تكي راست</code>
<code>\halign</code>	<code>\رديف ا</code>
<code>\hang</code>	<code>\بروتو</code>
<code>\hangafter</code>	<code>\بعد ازسطر</code>
<code>\hangindent</code>	<code>\تورفتگی ثابت</code>

*Continued on next page*



### Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X      Equivalent Persian Command

<code>\hbadness</code>	<code>\بدنمایی</code>
<code>\hbox</code>	<code>\کادرا</code>
<code>\headheight</code>	<code>\بلندای سرصفحه</code>
<code>\headsep</code>	<code>\فاصله از سرصفحه</code>
<code>\headtoname</code>	<code>\سربه نام</code>
<code>\heartsuit</code>	<code>\دل</code>
<code>\height</code>	<code>\بلندا</code>
<code>\hfil</code>	<code>\پرا</code>
<code>\hfill</code>	<code>\پرا</code>
<code>\hfilneg</code>	<code>\رفع پرا</code>
<code>\hfuzz</code>	<code>\پرزاقفی</code>
<code>\hideskip</code>	<code>\فاصله مخفی</code>
<code>\hidewidth</code>	<code>\عرض پنهان</code>
<code>\hline</code>	<code>\خط پر</code>
<code>\hoffset</code>	<code>\حاشیه</code>
<code>\holdinginserts</code>	<code>\حفظ درج</code>
<code>\hrboxsep</code>	<code>\فاصله اگر</code>
<code>\hrule</code>	<code>\خط</code>
<code>\hrulefill</code>	<code>\پرخط</code>
<code>\hsize</code>	<code>\طول سطر</code>
<code>\hskip</code>	<code>\فاصله</code>
<code>\hspace</code>	<code>\فضای</code>
<code>\hss</code>	<code>\هردوا</code>
<code>\ht</code>	<code>\ارتفاع</code>
<code>\huge</code>	<code>\بزرگ</code>
<code>\Huge</code>	<code>\بزرگ تر</code>
<code>\hyperlink</code>	<code>\ابر پیوند</code>
<code>\hypersetup</code>	<code>\بارگذاری ابر</code>
<code>\hypertarget</code>	<code>\هدف ابر</code>
<code>\hyphenation</code>	<code>\تیره بندی</code>
<code>\hyphenchar</code>	<code>\نویسه تیره</code>
<code>\hyphenpenalty</code>	<code>\جریمه تیره بندی</code>
<code>\@ifclassloaded</code>	<code>\@گرکلاس فراخوانی شده</code>
<code>\@ifdefinable</code>	<code>\@گرترشدنی</code>
<code>\@ifnextchar</code>	<code>\@گرنویسه بعدی</code>
<code>\@ifpackageloaded</code>	<code>\@گرسبک فراخوانی شده</code>
<code>\@ifstar</code>	<code>\@گرستاره</code>
<code>\@ifundefined</code>	<code>\@گرتعریف نشده</code>
<code>\if</code>	<code>\گر</code>
<code>\if@tempswa</code>	<code>\گر@سواقت آ</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\ifcase</code>	\گرا نواع
<code>\ifcat</code>	\گررده
<code>\ifdefined</code>	\گر تعریف شده
<code>\ifdim</code>	\گر بعد
<code>\ifeof</code>	\گر ته پرونده
<code>\iff</code>	\گرر
<code>\iffalse</code>	\گر نادریست
<code>\IfFileExists</code>	\گر پرونده موجود
<code>\ifhbox</code>	\گر کادرا
<code>\ifhmode</code>	\گر حالت ا
<code>\ifinner</code>	\گر درونی
<code>\ifmmode</code>	\گر حالت ریاضی
<code>\ifnum</code>	\گر عدد
<code>\ifodd</code>	\گر فرد
<code>\ifthenelse</code>	\گر آنگاه دیگر
<code>\iftrue</code>	\گر درست
<code>\ifvbox</code>	\گر کادرو
<code>\ifvmode</code>	\گر حالت و
<code>\ifvoid</code>	\گر نهی
<code>\ifx</code>	\گر نام
<code>\ignorespaces</code>	\فاصله خالی را ندیده بگیر
<code>\immediate</code>	\فوری
<code>\include</code>	\شامل
<code>\includegraphics</code>	\درج تصویر
<code>\includeonly</code>	\مشمولین
<code>\indent</code>	\تورفتگی
<code>\index</code>	\درنمایه
<code>\indexentry</code>	\استعلام
<code>\indexname</code>	\عنوان نمایه
<code>\indexspace</code>	\فاصله رهنما
<code>\input</code>	\ورودی
<code>\InputIfFileExists</code>	\ورود پرونده گر موجود
<code>\inputlineno</code>	\شماره سطر ورودی
<code>\insert</code>	\درج
<code>\insertpenalties</code>	\جریمه درج
<code>\interfootnotelinepenalty</code>	\جریمه بین سطرهای زیرنویس
<code>\interdisplaylinepenalty</code>	\جریمه بین سطرهای نمایش
<code>\interlinepenalty</code>	\جریمه بین سطرها
<code>\intertext</code>	\متن داخلی
<code>\intertextsep</code>	\فاصله شناورد متن

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\invisible</code>	<code>\مخفی</code>
<code>\itdefault</code>	<code>\پیش فرض ای</code>
<code>\itshape</code>	<code>\شکل ایتالیک</code>
<code>\item</code>	<code>\فقره</code>
<code>\itemindent</code>	<code>\تورفتگی فقره</code>
<code>\itemsep</code>	<code>\فاصله فقره</code>
<code>\iterate</code>	<code>\تکرارکن</code>
<code>\itshape</code>	<code>\شکل ای</code>
<code>\jobname</code>	<code>\نام کار</code>
<code>\jot</code>	<code>\قلب</code>
<code>\kern</code>	<code>\دوری</code>
<code>\kill</code>	<code>\الگو</code>
<code>\label</code>	<code>\برچسب</code>
<code>\labelenumi</code>	<code>\برچسب شمارش یک</code>
<code>\labelenumii</code>	<code>\برچسب شمارش دو</code>
<code>\labelenumiii</code>	<code>\برچسب شمارش سه</code>
<code>\labelenumiv</code>	<code>\برچسب شمارش چهار</code>
<code>\labelitemi</code>	<code>\برچسب فقره یک</code>
<code>\labelitemii</code>	<code>\برچسب فقره دو</code>
<code>\labelitemiii</code>	<code>\برچسب فقره سه</code>
<code>\labelitemiv</code>	<code>\برچسب فقره چهار</code>
<code>\labelsep</code>	<code>\فاصله از برچسب</code>
<code>\labelwidth</code>	<code>\پهنای برچسب</code>
<code>\language</code>	<code>\زبان</code>
<code>\large</code>	<code>\درشت</code>
<code>\Large</code>	<code>\درشت تر</code>
<code>\LARGE</code>	<code>\درشت درشت</code>
<code>\lastbox</code>	<code>\آخرین کادر</code>
<code>\lastkern</code>	<code>\آخرین دوری</code>
<code>\lastpenalty</code>	<code>\آخرین جریمه</code>
<code>\lastskip</code>	<code>\آخرین فاصله</code>
<code>\LaTeX</code>	<code>\لاتک</code>
<code>\LaTeXe</code>	<code>\لاتک ای</code>
<code>\lccode</code>	<code>\کدکوچک</code>
<code>\ldots</code>	<code>\نقاط خ</code>
<code>\leaders</code>	<code>\نشانگر</code>
<code>\leavevmode</code>	<code>\ترک و</code>
<code>\left</code>	<code>\چپ</code>
<code>\leftmargin</code>	<code>\حاشیه چپ</code>
<code>\leftmargini</code>	<code>\حاشیه چپ یک</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\leftmarginii</code>	<code>\حاشیه چپ دو</code>
<code>\leftmarginiii</code>	<code>\حاشیه چپ سه</code>
<code>\leftmarginiv</code>	<code>\حاشیه چپ چهار</code>
<code>\leftmarginv</code>	<code>\حاشیه چپ پنج</code>
<code>\leftmarginvi</code>	<code>\حاشیه چپ شش</code>
<code>\leftmark</code>	<code>\علامت چپ</code>
<code>\leftpageskip</code>	<code>\کادر تا چپ</code>
<code>\leftskip</code>	<code>\فاصله ابتدای سطر</code>
<code>\let</code>	<code>\بگذار</code>
<code>\line</code>	<code>\سطر</code>
<code>\linebreak</code>	<code>\سطرشکن</code>
<code>\linepenalty</code>	<code>\جریمه سطر</code>
<code>\lineskip</code>	<code>\فاصله سطرها</code>
<code>\lineskiplimit</code>	<code>\حد فاصله سطر</code>
<code>\linespread</code>	<code>\کشش فاصله سطر</code>
<code>\linethickness</code>	<code>\ضخامت خط</code>
<code>\linewidth</code>	<code>\پهنای سطر</code>
<code>\listfigurename</code>	<code>\عنوان فهرست اشکال</code>
<code>\listfiles</code>	<code>\لیست پرونده ها</code>
<code>\listoffigures</code>	<code>\فهرست اشکال</code>
<code>\listoftables</code>	<code>\فهرست جداول</code>
<code>\listparindent</code>	<code>\تورفتگی بند لیست</code>
<code>\listtablename</code>	<code>\عنوان فهرست جداول</code>
<code>\LoadClass</code>	<code>\بارکن طبقه</code>
<code>\LoadClassWithOptions</code>	<code>\بارکن طبقه با گزینه</code>
<code>\location</code>	<code>\مکان</code>
<code>\long</code>	<code>\بلند</code>
<code>\loop</code>	<code>\حلقه</code>
<code>\looseness</code>	<code>\گسیختگی</code>
<code>\lower</code>	<code>\انتقال بیابین</code>
<code>\@makeother</code>	<code>\@دیگر</code>
<code>\@m</code>	<code>\@زار</code>
<code>\@M</code>	<code>\ده@زار</code>
<code>\@Mi</code>	<code>\ده@زاریک</code>
<code>\@Mii</code>	<code>\ده@زاردو</code>
<code>\@Miii</code>	<code>\ده@زارسه</code>
<code>\@Miv</code>	<code>\ده@زارچهار</code>
<code>\@MM</code>	<code>\بیس@زار</code>
<code>\m@ne</code>	<code>\من@ا</code>
<code>\mag</code>	<code>\بزرگ نمایی</code>

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Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X      Equivalent Persian Command

<code>\magstep</code>	<code>\گام</code>
<code>\magstephalf</code>	<code>\نیم گام</code>
<code>\mainmatter</code>	<code>\مطلب اصلی</code>
<code>\makeatletter</code>	<code>\ات حرف</code>
<code>\makeatother</code>	<code>\ات دیگر</code>
<code>\makebox</code>	<code>\کادر بی خط</code>
<code>\makeglossary</code>	<code>\ساخت فرهنگ</code>
<code>\makeindex</code>	<code>\تهیه نمایه</code>
<code>\makelabel</code>	<code>\ساخت برچسب</code>
<code>\makelabels</code>	<code>\ساخت برچسب ها</code>
<code>\MakeLowercase</code>	<code>\ساخت حروف کوچک</code>
<code>\maketitle</code>	<code>\عنوان ساز</code>
<code>\MakeUppercase</code>	<code>\ساخت حروف بزرگ</code>
<code>\marginpar</code>	<code>\در حاشیه</code>
<code>\marginparpush</code>	<code>\فاصله دو حاشیه</code>
<code>\marginparsep</code>	<code>\فاصله تا حاشیه</code>
<code>\marginparwidth</code>	<code>\پهنای حاشیه</code>
<code>\mark</code>	<code>\علامت</code>
<code>\markboth</code>	<code>\علامت در دو طرف</code>
<code>\markright</code>	<code>\علامت در راست</code>
<code>\mathaccent</code>	<code>\اعراب ریاضی</code>
<code>\mathchar</code>	<code>\نویسه ریاضی</code>
<code>\mathchardef</code>	<code>\تعریف نویسه ریاضی</code>
<code>\mathcode</code>	<code>\کد ریاضی</code>
<code>\mathrm</code>	<code>\ریاضی رومن</code>
<code>\maxdeadcycles</code>	<code>\حد اکثر تکرار</code>
<code>\maxdepth</code>	<code>\حد اکثر عمق صفحه</code>
<code>\maxdimen</code>	<code>\بعد بیشین</code>
<code>\mbox</code>	<code>\کادر بی</code>
<code>\mdseries</code>	<code>\شمایل نازک</code>
<code>\meaning</code>	<code>\معنا</code>
<code>\mediumseries</code>	<code>\نازک</code>
<code>\medmuskip</code>	<code>\فاصله متوسط ریاضی</code>
<code>\medskip</code>	<code>\پرش متوسط</code>
<code>\medskipamount</code>	<code>\مقدار پرش متوسط</code>
<code>\medspace</code>	<code>\فضای متوسط</code>
<code>\message</code>	<code>\پیام</code>
<code>\MessageBreak</code>	<code>\پیام شکن</code>
<code>\minrowclearance</code>	<code>\حد اقل فاصله ردیف</code>
<code>\mkern</code>	<code>\دوری ریاضی</code>

*Continued on next page*



### Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X    Equivalent Persian Command

\month	\ماه
\moveleft	\انتقال بچپ
\moveright	\انتقال براست
\mskip	\فاصله ریاضی
\m@th	\ری@ضی
\multicolumn	\چندستونی
\multiply	\ضرب
\multispan	\چندادغام
\muskip	\میوفاصله
\muskipdef	\تعریف میوفاصله
\@namedef	\@ترنام
\@nameuse	\@کاربردنام
\@ne	\یک@
\name	\نام
\natural	\طبیعی
\nearrow	\باریک
\nearrower	\باریکتر
\NeedsTeXFormat	\شکلبندی مورد نیاز
\neg	\منفی
\negmedspace	\فضای متوسط منفی
\negthickspace	\فضای ضخیم منفی
\negthinspace	\دوری کوچک منفی
\newboolean	\بولی نو
\newbox	\کادر جدید
\newcommand	\فرمان نو
\newcount	\شمار جدید
\newcounter	\شمارنده جدید
\newdimen	\بعد جدید
\newenvironment	\محیط نو
\newfam	\خانواده جدید
\newfont	\قلم نو
\newhelp	\کمک جدید
\newif	\اگر جدید
\newinsert	\درج جدید
\newlabel	\برچسب جدید
\newlength	\تعریف بعد جدید
\newline	\سطر جدید
\newlinechar	\نویسه سطر جدید
\newmuskip	\میوفاصله جدید
\newpage	\صفحه جدید

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## Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X    Equivalent Persian Command

<code>\newread</code>	<code>\بخوان جدید</code>
<code>\newsavebox</code>	<code>\تعریف کادر جدید</code>
<code>\newskip</code>	<code>\فاصله جدید</code>
<code>\newtheorem</code>	<code>\قضیه جدید</code>
<code>\newtoks</code>	<code>\جزء جدید</code>
<code>\newwrite</code>	<code>\بنویس جدید</code>
<code>\noalign</code>	<code>\بی ردیف</code>
<code>\nobreak</code>	<code>\نشکن</code>
<code>\nobreakspace</code>	<code>\فاصله نشکستی</code>
<code>\nocite</code>	<code>\بدون سند</code>
<code>\noexpand</code>	<code>\نگستر</code>
<code>\nofiles</code>	<code>\بدون پرونده</code>
<code>\noindent</code>	<code>\بدون تورفتگی</code>
<code>\nointerlineskip</code>	<code>\بی فاصله سطر</code>
<code>\nolimits</code>	<code>\بدون حد</code>
<code>\nolinebreak</code>	<code>\سطرنشکن</code>
<code>\nonstopmode</code>	<code>\پردازش بدون توقف</code>
<code>\nonfrenchspacing</code>	<code>\فواصل متعارف لاتین</code>
<code>\nonumber</code>	<code>\بدون شماره</code>
<code>\nopagebreak</code>	<code>\صفحه نشکن</code>
<code>\normalbaselines</code>	<code>\کرسیهای متعارف</code>
<code>\normalbaselineskip</code>	<code>\فاصله کرسی متعارف</code>
<code>\normalcolor</code>	<code>\رنگ عادی</code>
<code>\normalfont</code>	<code>\قلم عادی</code>
<code>\normallineskip</code>	<code>\فاصله سطر متعارف</code>
<code>\normallineskiplimit</code>	<code>\حد فاصله سطر متعارف</code>
<code>\normalmarginpar</code>	<code>\در حاشیه عادی</code>
<code>\normalsize</code>	<code>\اندازه عادی</code>
<code>\notag</code>	<code>\بدون اتیکت</code>
<code>\null</code>	<code>\نول</code>
<code>\nullfont</code>	<code>\قلم تهی</code>
<code>\number</code>	<code>\عدد</code>
<code>\numberline</code>	<code>\سطر عددی</code>
<code>\numberwithin</code>	<code>\شماره مطابق</code>
<code>\@evenfoot</code>	<code>\پایین صفحه زوج</code>
<code>\@evenhead</code>	<code>\بالای صفحه زوج</code>
<code>\@oddfoot</code>	<code>\پایین صفحه فرد</code>
<code>\@oddhead</code>	<code>\بالای صفحه فرد</code>
<code>\@outeqntrue</code>	<code>\شماره بیرون درست</code>
<code>\@outeqnfalse</code>	<code>\شماره بیرون نادرست</code>

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### Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X      Equivalent Persian Command

<code>\obeylines</code>	<code>\سطربه سطر</code>
<code>\obeyspaces</code>	<code>\فضافعال</code>
<code>\oddsidemargin</code>	<code>\حاشیه فرد</code>
<code>\offinterlineskip</code>	<code>\سطور بی فاصله</code>
<code>\omit</code>	<code>\حذف</code>
<code>\@onlypreamble</code>	<code>\@تنهادرپیش در آمد</code>
<code>\onecolumn</code>	<code>\یک ستون</code>
<code>\onlynotes</code>	<code>\تنهایادداشت ها</code>
<code>\onlyslides</code>	<code>\تنها اسلایدها</code>
<code>\openin</code>	<code>\بازکن ورودی</code>
<code>\openout</code>	<code>\بازکن خروجی</code>
<code>\OptionNotUsed</code>	<code>\گزیننه مصرف نشده</code>
<code>\or</code>	<code>\یا</code>
<code>\outer</code>	<code>\برونی</code>
<code>\output</code>	<code>\صفحه بندی</code>
<code>\outputpenalty</code>	<code>\جریمه صفحه بندی</code>
<code>\overfullrule</code>	<code>\علامت سرریز</code>
<code>\@preamblecmds</code>	<code>\@فرمان های پیش در آمد</code>
<code>\p@</code>	<code>\@پو</code>
<code>\PackageError</code>	<code>\خطای سبک</code>
<code>\PackageInfo</code>	<code>\اطلاع سبک</code>
<code>\PackageWarning</code>	<code>\هشدار سبک</code>
<code>\PackageWarningNoLine</code>	<code>\هشدار سبک بی سطر</code>
<code>\pagebreak</code>	<code>\صفحه شکن</code>
<code>\pagecolor</code>	<code>\رنگ صفحه</code>
<code>\pagedepth</code>	<code>\عمق صفحه</code>
<code>\pagefilllstretch</code>	<code>\کشش پرر صفحه</code>
<code>\pagefillstretch</code>	<code>\کشش پرر صفحه</code>
<code>\pagefilstretch</code>	<code>\کشش پرر صفحه</code>
<code>\pagegoal</code>	<code>\غایت صفحه</code>
<code>\pagename</code>	<code>\نام صفحه</code>
<code>\pagenumbering</code>	<code>\شماره گذاری صفحه</code>
<code>\pageref</code>	<code>\رجوع صفحه</code>
<code>\pagerulewidth</code>	<code>\ضخامت خط صفحه</code>
<code>\pageshrink</code>	<code>\فشرده گی صفحه</code>
<code>\pagestretch</code>	<code>\کشش صفحه</code>
<code>\pagestyle</code>	<code>\سبک صفحه</code>
<code>\pagetotal</code>	<code>\جمع صفحه</code>
<code>\paperheight</code>	<code>\بلندای کاغذ</code>
<code>\paperwidth</code>	<code>\پهنای کاغذ</code>

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## Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X    Equivalent Persian Command

<code>\par</code>	<code>\بند</code>
<code>\paragraph</code>	<code>\پاراگراف</code>
<code>\parallel</code>	<code>\موازی</code>
<code>\parbox</code>	<code>\کادر پار</code>
<code>\parfillskip</code>	<code>\فاصله ته بند</code>
<code>\parindent</code>	<code>\تورفتگی سر بند</code>
<code>\parsep</code>	<code>\فاصله بند لیست</code>
<code>\parshape</code>	<code>\شکل بند</code>
<code>\parskip</code>	<code>\فاصله بند</code>
<code>\part</code>	<code>\بخش</code>
<code>\partname</code>	<code>\عنوان بخش</code>
<code>\partopsep</code>	<code>\فاصله بالای لیست بند</code>
<code>\PassOptionToClass</code>	<code>\ارسال گزینه به کلاس</code>
<code>\PassOptionToPackage</code>	<code>\ارسال گزینه به پکیج</code>
<code>\path</code>	<code>\مسیر</code>
<code>\patterns</code>	<code>\الگوها</code>
<code>\pausing</code>	<code>\مکث</code>
<code>\penalty</code>	<code>\جریمه</code>
<code>\phantom</code>	<code>\غیب</code>
<code>\poptabs</code>	<code>\الگوی قبلی</code>
<code>\postdisplaypenalty</code>	<code>\جریمه پس نمایش</code>
<code>\predisplaydirection</code>	<code>\جهت پیش نمایش</code>
<code>\predisplaypenalty</code>	<code>\جریمه پیش نمایش</code>
<code>\predisplaysize</code>	<code>\اندازه پیش نمایش</code>
<code>\pretolerance</code>	<code>\پیش حد بدنمایی</code>
<code>\prevdepth</code>	<code>\عمق قبلی</code>
<code>\prevgraf</code>	<code>\بند قبلی</code>
<code>\printindex</code>	<code>\نمایه در اینجا</code>
<code>\ProcessOptions</code>	<code>\پردازش گزینه ها</code>
<code>\protect</code>	<code>\تامین</code>
<code>\providecommand</code>	<code>\تهیه فرمان</code>
<code>\ProvidesClass</code>	<code>\آماده سازی طبقه</code>
<code>\ProvidesFile</code>	<code>\آماده سازی پرونده</code>
<code>\ProvidesPackage</code>	<code>\آماده سازی سبک</code>
<code>\pushtabs</code>	<code>\ثبت الگو</code>
<code>\quad</code>	<code>\کواد</code>
<code>\qqquad</code>	<code>\کو کواد</code>
<code>\@outputpagerestore</code>	<code>\@بازآیی خروج صفحه</code>
<code>\radical</code>	<code>\رادیكال</code>
<code>\raggedbottom</code>	<code>\پایین بی تنظیم</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\raggedleft</code>	<code>\تنظیم از راست</code>
<code>\raggedright</code>	<code>\تنظیم از چپ</code>
<code>\raise</code>	<code>\انتقال ببالا</code>
<code>\raisebox</code>	<code>\بالا بر</code>
<code>\raisetag</code>	<code>\ترفع اتيکت</code>
<code>\rangle</code>	<code>\زاويه ر</code>
<code>\rceil</code>	<code>\سقف ر</code>
<code>\read</code>	<code>\بخوان</code>
<code>\ref</code>	<code>\رجوع</code>
<code>\reflectbox</code>	<code>\کادر قرينه</code>
<code>\refname</code>	<code>\عنوان مراجع</code>
<code>\refstepcounter</code>	<code>\گام بشمارنده مرجع</code>
<code>\relax</code>	<code>\راحت</code>
<code>\removelastskip</code>	<code>\رفع آخرين فاصله</code>
<code>\renewcommand</code>	<code>\فرمان از نو</code>
<code>\renewenvironment</code>	<code>\محيط از نو</code>
<code>\repeat</code>	<code>\از نو</code>
<code>\RequirePackage</code>	<code>\سبک مورد نیاز</code>
<code>\RequirePackageWithOptions</code>	<code>\سبک مورد نیاز با گزینه</code>
<code>\resizebox</code>	<code>\کادر کشیده</code>
<code>\reversemarginpar</code>	<code>\در حاشیه معکوس</code>
<code>\rfloor</code>	<code>\کف ر</code>
<code>\right</code>	<code>\راست</code>
<code>\rightmargin</code>	<code>\حاشیه راست</code>
<code>\rightmark</code>	<code>\علامت راست</code>
<code>\rightpageskip</code>	<code>\کادر تا راست</code>
<code>\rightskip</code>	<code>\فاصله انتهای سطر</code>
<code>\rmdefault</code>	<code>\رومن عادی</code>
<code>\rmfamily</code>	<code>\فامیل رومن</code>
<code>\Roman</code>	<code>\رومن بزرگ</code>
<code>\roman</code>	<code>\رومن کوچک</code>
<code>\romannumeral</code>	<code>\عدد رومی</code>
<code>\rotatebox</code>	<code>\کادر چرخان</code>
<code>\rowcolor</code>	<code>\رنگ ردیف</code>
<code>\rule</code>	<code>\خط</code>
<code>\@secondoftwo</code>	<code>\@دومی ازدو</code>
<code>\@spaces</code>	<code>\@فضاها</code>
<code>\samepage</code>	<code>\همین صفحه</code>
<code>\savebox</code>	<code>\مقدار کادر</code>
<code>\sbox</code>	<code>\مقدار</code>

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Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\scalebox</code>	<code>\کادراندازه</code>
<code>\sdefault</code>	<code>\پیش فرض تمام بزرگ</code>
<code>\scshape</code>	<code>\شکل تمام بزرگ</code>
<code>\scriptfont</code>	<code>\قلم توان</code>
<code>\scriptscriptfont</code>	<code>\قلم توان توان</code>
<code>\scriptscriptstyle</code>	<code>\سبک ته نوشت ته نوشت</code>
<code>\scriptsize</code>	<code>\اندازه پانویس</code>
<code>\scripstyle</code>	<code>\سبک ته نوشت</code>
<code>\scrollmode</code>	<code>\پردازش گذری</code>
<code>\section</code>	<code>\قسمت</code>
<code>\secdef</code>	<code>\تعریف قسمت</code>
<code>\see</code>	<code>\ببینید</code>
<code>\seealso</code>	<code>\نیز ببینید</code>
<code>\seename</code>	<code>\نام ببینید</code>
<code>\selectfont</code>	<code>\قلم بردار</code>
<code>\setboolean</code>	<code>\تنظیم بولی</code>
<code>\setbox</code>	<code>\درکادر</code>
<code>\setcounter</code>	<code>\مقدار شمارنده</code>
<code>\setkeys</code>	<code>\مقدار کلیدها</code>
<code>\setlength</code>	<code>\مقدار بعد</code>
<code>\setminus</code>	<code>\تنظیم منها</code>
<code>\SetSymbolFont</code>	<code>\تعریف قلم علائم</code>
<code>\settodepth</code>	<code>\تنظیم به عمق</code>
<code>\settoheight</code>	<code>\تنظیم به ارتفاع</code>
<code>\settowidth</code>	<code>\مقدار بعد به اندازه</code>
<code>\sfcode</code>	<code>\کد ضریب فاصله</code>
<code>\sfdefault</code>	<code>\پیش فرض س ف</code>
<code>\sffamily</code>	<code>\فامیل سن سریف</code>
<code>\shadowbox</code>	<code>\کادر سایه دار</code>
<code>\sharp</code>	<code>\تیز</code>
<code>\shipout</code>	<code>\بفرست</code>
<code>\shortstack</code>	<code>\پشته کوتاه</code>
<code>\show</code>	<code>\نمایش بده</code>
<code>\showbox</code>	<code>\نمایش بده کادر</code>
<code>\showboxbreadth</code>	<code>\میزان نمایش کادر</code>
<code>\showboxdepth</code>	<code>\عمق نمایش کادر</code>
<code>\showlists</code>	<code>\نمایش بده لیستها</code>
<code>\showthe</code>	<code>\نمایش بده محتوای</code>
<code>\simplefontmode</code>	<code>\حالت ساده قلم</code>
<code>\sixt@@n</code>	<code>\شانزد @</code>

*Continued on next page*



### Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X      Equivalent Persian Command

<code>\skewchar</code>	<code>\نویسه اریب</code>
<code>\skip</code>	<code>\فاصله</code>
<code>\skip@</code>	<code>@فاصل</code>
<code>\skipdef</code>	<code>\تعریف فاصله</code>
<code>\sl</code>	<code>\خوابیده</code>
<code>\sldefault</code>	<code>\پیش فرض خو</code>
<code>\slshape</code>	<code>\شکل خوابیده</code>
<code>\sloppy</code>	<code>\راحت چین</code>
<code>\slshape</code>	<code>\شمایل خو</code>
<code>\small</code>	<code>\کوچک</code>
<code>\smallskip</code>	<code>\پرش کوتاه</code>
<code>\smallskipamount</code>	<code>\مقدار پرش کوتاه</code>
<code>\smash</code>	<code>\کوب</code>
<code>\smile</code>	<code>\لبخند</code>
<code>\snglftlocatcode</code>	<code>\کدامکان همانطور</code>
<code>\space</code>	<code>\فضا</code>
<code>\spacefactor</code>	<code>\ضریب فاصله</code>
<code>\spaceskip</code>	<code>\فاصله کلمات</code>
<code>\spadesuit</code>	<code>\پیک</code>
<code>\span</code>	<code>\ادغام</code>
<code>\special</code>	<code>\ویژه</code>
<code>\splitmaxdepth</code>	<code>\حد اکثر عمق ستون</code>
<code>\splittopskip</code>	<code>\فاصله بالای ستون</code>
<code>\star</code>	<code>\ستاره</code>
<code>\stepcounter</code>	<code>\گام شمارنده</code>
<code>\stretch</code>	<code>\کشی</code>
<code>\string</code>	<code>\رشته</code>
<code>\strut</code>	<code>\شمع</code>
<code>\strutbox</code>	<code>\کادر شمع</code>
<code>\subitem</code>	<code>\زیر بند</code>
<code>\subparagraph</code>	<code>\زیر پاراگراف</code>
<code>\subsection</code>	<code>\زیر قسمت</code>
<code>\substack</code>	<code>\زیر پشته</code>
<code>\subsubitem</code>	<code>\زیر زیر بند</code>
<code>\subsubsection</code>	<code>\زیر زیر قسمت</code>
<code>\subset</code>	<code>\زیر مجموعه</code>
<code>\subseteq</code>	<code>\زیر مجموعه مسا</code>
<code>\supereject</code>	<code>\منتهای صفحه</code>
<code>\suppressfloats</code>	<code>\حذف مکان شناور</code>
<code>\@tempa</code>	<code>@موقت آ</code>

*Continued on next page*



### Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X      Equivalent Persian Command

\@tempb	\@موقت ب
\@tempc	\@موقت پ
\@tempd	\@موقت ت
\@tempe	\@موقت ث
\@tempboxa	\@کادرقت آ
\@tempcnta	\@شماقت آ
\@tempcntb	\@شماقت ب
\@tempdima	\@بعدقت آ
\@tempdimb	\@بعدقت ب
\@tempdimc	\@بعدقت پ
\@tempskipa	\@فاقت آ
\@tempskipb	\@فاقت ب
\@tempswafalse	\@سواقت آنادرست
\@tempswattrue	\@سواقت آدرست
\@temptokena	\@جزقت آ
\@thefnmark	\انگ زیرنویس
\@thirdofthree	\@سومی ازسه
\tabbingsep	\فاصله جاگذاری
\tabcolsep	\فاصله بین ستونها
\tableofcontents	\فهرست مطالب
\tablename	\عنوان جدول
\tabskip	\فاصله ستونها
\tabularnewline	\ته سطرجدول
\tag	\اتیکت
\telephone	\تلفن
\TeX	\تک
\text	\متن
\textbullet	\گلوله متنی
\textfont	\قلم متن
\textemdash	\ام دش متنی
\textendash	\ان دش متنی
\textexclamdown	\تعجب وارونه متنی
\textperiodcentered	\نقطه وسط متنی
\textquestiondown	\سوال وارونه متنی
\textquotedblleft	\نقل چپ متنی دولا
\textquotedblright	\نقل راست متنی دولا
\textquoteleft	\نقل متنی چپ
\textquoteright	\نقل متنی راست
\textvisiblespace	\فضای نمایان متنی
\textbackslash	\شکافت پشت متنی

*Continued on next page*



### Command in T<sub>E</sub>X or L<sup>A</sup>T<sub>E</sub>X      Equivalent Persian Command

<code>\textbar</code>	\میلۀ متنی
<code>\textgreater</code>	\بزرگ ترممتی
<code>\textless</code>	\کمترمتی
<code>\textbf</code>	\متن سیاه
<code>\textcircled</code>	\مدورمتی
<code>\textcolor</code>	\رنگ متن
<code>\textcompwordmark</code>	\نشان کلمه مرکب متن
<code>\textfloatsep</code>	\فاصله متن و شناور
<code>\textfraction</code>	\نسبت متن
<code>\textheight</code>	\بلندای متن
<code>\textindent</code>	\متن تورفته
<code>\textit</code>	\متن ایتالیک
<code>\textmd</code>	\متن نازک
<code>\textnormal</code>	\متن نرمال
<code>\textregistered</code>	\ثبّتی متنی
<code>\textrm</code>	\متن رومن
<code>\textsc</code>	\متن تمام بزرگ
<code>\textsf</code>	\متن سن سریف
<code>\textsl</code>	\متن خوابیده
<code>\textstyle</code>	\سبک متنی
<code>\textsuperscript</code>	\بالا نویسی متنی
<code>\texttrademark</code>	\علامت تجاری متنی
<code>\texttt</code>	\متن تایپ
<code>\textup</code>	\متن ایستاده
<code>\textwidth</code>	\پهنای متن
<code>\thanks</code>	\زیرنویس عنوان
<code>\the</code>	\محتوای
<code>\thempfn</code>	\این زیرنویس
<code>\thicklines</code>	\خط ها ضخیم
<code>\thickmuskip</code>	\فاصله زیاد ریاضی
<code>\thinmuskip</code>	\فاصله کم ریاضی
<code>\thickspace</code>	\فضا ضخیم
<code>\thinlines</code>	\خط ها نازک
<code>\thinspace</code>	\دوری کوچک
<code>\thisfancy page</code>	\این صفحه تجملی
<code>\thispage style</code>	\سبک این صفحه
<code>\thr@@</code>	\سه @
<code>\tilde</code>	\مد
<code>\tiny</code>	\ظریف
<code>\time</code>	\زمان

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\times</code>	\ضرب در
<code>\title</code>	\عنوان
<code>\to</code>	\به
<code>\today</code>	\امروز
<code>\toks</code>	\جزء
<code>\toksdef</code>	\تعریف جزء
<code>\tolerance</code>	\حدبدنمایی
<code>\top</code>	\بالا
<code>\topfigrule</code>	\خط بالای شناور
<code>\topfraction</code>	\نسبت بالا
<code>\topmargin</code>	\حاشیه بالا
<code>\topmark</code>	\علامت بالا
<code>\toppageskip</code>	\کادر تا بالا
<code>\topsep</code>	\فاصله بالای لیست
<code>\topskip</code>	\فاصله بالا
<code>\totalheight</code>	\بلندای کل
<code>\tracingall</code>	\ردگیری کل
<code>\tracingcommands</code>	\ردگیری فرامین
<code>\tracinglostchars</code>	\ردگیری حروف
<code>\tracingmacros</code>	\ردگیری ماکروها
<code>\tracingonline</code>	\ردگیری نمایشی
<code>\tracingoutput</code>	\ردگیری صفحه بندی
<code>\tracingpages</code>	\ردگیری صفحات
<code>\tracingparagraphs</code>	\ردگیری بندها
<code>\tracingrestores</code>	\ردگیری بازگردانی
<code>\tracingstats</code>	\ردگیری آمارها
<code>\triangle</code>	\مثلث
<code>\ttdefault</code>	\پیش فرض تایپ
<code>\ttfamily</code>	\فامیل تایپ
<code>\tw@</code>	\دو@
<code>\twocolumn</code>	\دو ستون
<code>\typein</code>	\درنویس
<code>\typeout</code>	\برنویس
<code>\uccode</code>	\کد بزرگ
<code>\uchyph</code>	\تیره بندی بزرگ
<code>\undefined</code>	\تعریف نشده
<code>\underline</code>	\زیرخط
<code>\unhbox</code>	\بی کادر
<code>\unhcopy</code>	\بی کپی
<code>\unitlength</code>	\واحد طول

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\unkern</code>	<code>\برگشت دوری</code>
<code>\unpenalty</code>	<code>\برگشت جریمه</code>
<code>\unskip</code>	<code>\برگشت فاصله</code>
<code>\unvbox</code>	<code>\بی کادرو</code>
<code>\unvcopy</code>	<code>\بی کپی و</code>
<code>\updefault</code>	<code>\پیش فرض ایستاده</code>
<code>\upshape</code>	<code>\شکل ایستاده</code>
<code>\usebox</code>	<code>\از کادر</code>
<code>\usecounter</code>	<code>\باشمارشگر</code>
<code>\usefont</code>	<code>\گزینش قلم</code>
<code>\usepackage</code>	<code>\سبک لازم</code>
<code>\@vobeyspaces</code>	<code>\@فضاهای فعال</code>
<code>\@void</code>	<code>\@تهی</code>
<code>\vadjust</code>	<code>\تنظیم و</code>
<code>\valign</code>	<code>\ردیف و</code>
<code>\value</code>	<code>\محتوای شمارنده</code>
<code>\vbadness</code>	<code>\بدنمایی و</code>
<code>\vbox</code>	<code>\کادرو</code>
<code>\vcenter</code>	<code>\کادرو وسط</code>
<code>\verb</code>	<code>\همانطور</code>
<code>\vfil</code>	<code>\پرو</code>
<code>\vfill</code>	<code>\پررو</code>
<code>\vfilneg</code>	<code>\رفع پرو</code>
<code>\vfuzz</code>	<code>\پرزعمودی</code>
<code>\visible</code>	<code>\نمایان</code>
<code>\vline</code>	<code>\خط عمود</code>
<code>\voffset</code>	<code>\حاشیه و</code>
<code>\voidb@x</code>	<code>\ک@درتهی</code>
<code>\vpageref</code>	<code>\ارجاع صفحه ع</code>
<code>\vrbboxsep</code>	<code>\فاصله وگرد</code>
<code>\vref</code>	<code>\ارجاع ع</code>
<code>\vrule</code>	<code>\خط و</code>
<code>\vsize</code>	<code>\طول صفحه</code>
<code>\vskip</code>	<code>\فاصله و</code>
<code>\vspace</code>	<code>\فضای و</code>
<code>\vsplit</code>	<code>\شکست و</code>
<code>\vss</code>	<code>\هر دو و</code>
<code>\vtop</code>	<code>\کادرگود</code>
<code>\wd</code>	<code>\عرض</code>
<code>\whiledo</code>	<code>\مادام بکن</code>

*Continued on next page*



Command in T <sub>E</sub> X or L <sup>A</sup> T <sub>E</sub> X	Equivalent Persian Command
<code>\widehat</code>	<code>\کلاه‌پهن</code>
<code>\widetilde</code>	<code>\مد‌پهن</code>
<code>\widowpenalty</code>	<code>\جریمه‌ته‌بند</code>
<code>\width</code>	<code>\پهنا</code>
<code>\wlog</code>	<code>\درکارنامه</code>
<code>\write</code>	<code>\بنویس</code>
<code>\@xobeysp</code>	<code>\@فضای‌لاتین</code>
<code>\@xxxii</code>	<code>\سی‌@دو</code>
<code>\xdef</code>	<code>\ترگج</code>
<code>\xleaders</code>	<code>\نش‌انگر‌گسترشی</code>
<code>\xspaceskip</code>	<code>\فاصله‌اضافی‌کلمات</code>
<code>\year</code>	<code>\سال</code>
<code>\z@</code>	<code>\@فر</code>
<code>\z@skip</code>	<code>\@فرفاصله</code>

Table 2: The Equivalent XePersian Commands

Command in XePersian	Equivalent Persian Command
<code>\autofootnoterule</code>	<code>\خط‌زیرنویس‌خودکار</code>
<code>\AutoMathsDigits</code>	<code>\اعداد‌فرمول‌ها‌خودکار</code>
<code>\DefaultMathsDigits</code>	<code>\اعداد‌فرمول‌ها‌لاتین</code>
<code>\deflatinfont</code>	<code>\تعریف‌قلم‌لاتین</code>
<code>\defpersianfont</code>	<code>\تعریف‌قلم‌پارسی</code>
<code>\hboxL</code>	<code>\کادر‌را‌چپ</code>
<code>\hboxR</code>	<code>\کادر‌را‌ست</code>
<code>\keyval@eq@alias@key</code>	<code>\معادل‌@کلید</code>
<code>\Latincite</code>	<code>\مرجع‌لاتین</code>
<code>\latinfont</code>	<code>\قلم‌لاتین</code>
<code>\latintoday</code>	<code>\امروز‌لاتین</code>
<code>\leftfootnoterule</code>	<code>\خط‌زیرنویس‌چپ</code>
<code>\lr</code>	<code>\متن‌لاتین</code>
<code>\LRE</code>	<code>\چپ‌براست</code>
<code>\LTRdblcol</code>	<code>\دو‌ستونی‌چپ</code>
<code>\LTRfootnote</code>	<code>\پانویس</code>
<code>\LTRfootnotetext</code>	<code>\متن‌پانویس</code>
<code>\LTRthanks</code>	<code>\پانویس‌عنوان</code>
<code>\persianday</code>	<code>\روز‌پارسی</code>
<code>\persianfont</code>	<code>\قلم‌پارسی</code>
<code>\PersianMathsDigits</code>	<code>\اعداد‌فرمول‌ها‌پارسی</code>
<code>\persianmonth</code>	<code>\ماه‌پارسی</code>
<code>\persianyear</code>	<code>\سال‌پارسی</code>

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Command in XePersian	Equivalent Persian Command
\plq	\علامت چپ نقل قول پارسی
\prq	\علامت راست نقل قول پارسی
\rightfootnoterule	\خط زیرنویس راست
\rl	\متن پارسی
\RLE	\راست بچپ
\RTLdblcol	\دوستونی راست
\RTLfootnote	\پانوش
\RTLfootnotetext	\متن پانوش
\RTLthanks	\پانوش عنوان
\@SepMark	\@علامت بین
\SepMark	\علامت بین
\setdefaultbibitems	\بگذارمرجوعات عادی
\setdefaultmarginpar	\بگذاردرحاشیه عادی
\setmathdigitfont	\گزینش قلم اعداد فرمولها
\setfootnoteLR	\بگذارزیرنویس چپ
\setfootnoteRL	\بگذارزیرنویس راست
\setlatintextfont	\گزینش قلم لاتین متن
\setLTR	\بگذارمتن چپ
\setLTRbibitems	\بگذارمرجوعات چپ
\setLTRmarginpar	\بگذاردرحاشیه چپ
\setRTL	\بگذارمتن راست
\setRTLbibitems	\بگذارمرجوعات راست
\setRTLmarginpar	\بگذاردرحاشیه راست
\settextfont	\گزینش قلم متن
\textwidthfootnoterule	\خط زیرنویس پهنای متن
\twocolumnstableofcontents	\فهرست مطالب دوستونی
\unsetfootnoteRL	\نگذارزیرنویس راست
\unsetLTR	\نگذارمتن چپ
\unsetRTL	\نگذارمتن راست
\vboxL	\کادر وازچپ
\vboxR	\کادر وازراست
\XeLaTeX	\زی لاتک
\XePersian	\زی پرشین
\xepersianversion	\گونه زی پرشین
\xepersiandate	\تاریخ گونه زی پرشین
\XeTeX	\زی تک

Table 3: The Equivalent  $\text{\LaTeX}$  Environments

Environment in $\text{\LaTeX}$	Equivalent Persian Environment
abstract	چکیده
appendix	پیوست

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Environment in $\text{\LaTeX}$	Equivalent Persian Environment
array	آرایه
center	وسط چین
description	توضیح
displaymath	ریاضی نمایشی
document	نوشتار
enumerate	شمارش
figure	شکل
figure*	شکل*
filecontents	محتوای پرونده
filecontents*	محتوای پرونده*
flushleft	چپ چین
flushright	راست چین
itemize	فقرات
letter	نامه
list	لیست
longtable	جدول دراز
lrbox	کادر چپ
math	ریاضی
matrix	ماتریس
minipage	صفحه کوچک
multicols	چند ستونی ها
multline	چند خطی
note	یادداشت
overlay	انباشتن
picture	تصویر
quotation	اقتباس
quote	نقل
slide	اسلاید
sloppypar	پارنا مرتب
split	شکافتن
subarray	زیر آرایه
tabbing	جاگذاری
table	لوح
table*	لوح*
tabular	جدول
tabular*	جدول*
thebibliography	مراجع
theindex	محتوای نمایه
titlepage	صفحه عنوان
trivlist	لیست بدوی

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Environment in $\LaTeX$	Equivalent Persian Environment
verbatim	همانطور که هست
verbatim*	همانطور که هست*
verse	شعر

Table 4: The Equivalent XePersian Environments

Environment in XePersian	Equivalent Persian Environment
latin	لاتین
LTR	متن چپ
LTRitems	دسته بندی چپ
persian	پارسی
RTL	متن راست
RTLitems	دسته بندی راست

**Localisation of position arguments.** Some environments like `tabular` and some commands like `\parbox` have an argument which specifies the position. Table [Table 5](#) shows their localisations.

Table 5: The Equivalent  $\LaTeX$  position arguments

Position argument in $\LaTeX$	Equivalent Persian position argument
b	ز
c	و
C	س
h	ا
H	آ
J	ت
l	چ
L	ف
m	م
p	پ
p	ص
r	ر
R	ا
s	ک
t	ب

☞ There are two `ps` in [Table 5](#), first `p` and its Persian equivalent `پ` stand for paragraph (used in `tabular` and similar environments) and the second `p` and its Persian equivalent `ص` stand for page (used in `float`-like environments).

#### 2.4.8 Localizations of the keys and key values of `graphicx` package

The equivalent Persian keys and key values of `graphicx` package is shown in [Table 6](#) and [Table 7](#) respectively.



Table 6: Persian Equivalent keys of graphicx package

Original Key	Equivalent Persian Key
draft	پیش نویس
origin	مبدا
clip	بی اضافه
keepaspectratio	حفظ تناسب
natwidth	پهنای طبیعی
natheight	بلندای طبیعی
bb	مختصات
viewport	محدوده نمایش
trim	حذف اطراف
angle	زاویه
width	پهنا
height	بلندا
totalheight	بلندای کل
scale	ضریب
type	نوع
ext	پسوند
read	خواندنی
command	فرمان
x	طول
y	عرض
units	واحد

Table 7: Persian Equivalent key values of graphicx package

Original Key value	Equivalent Persian Key value
b	ز
B	ک
false	نادرست
l	چ
r	ر
t	ب
true	درست

#### 2.4.9 Localizations of font features and font feature options

The equivalent Persian font features and font feature options is shown in [Table 8](#) and [Table 9](#) respectively.

Table 8: Persian Equivalent font features

Original font feature	Equivalent Persian font feature
ExternalLocation	مکان خارجی
ExternalLocation	مسیر

*Continued on next page*



Original font feature	Equivalent Persian font feature
Renderer	تحويل دهنده
BoldFont	قلم سیاه
Language	زبان
Script	خط
UprightFont	قلم عمودی
ItalicFont	قلم ایتالیک
BoldItalicFont	قلم ایتالیک سیاه
SlantedFont	قلم خوابیده
BoldSlantedFont	قلم خوابیده سیاه
SmallCapsFont	قلم کلاه کوچک
UprightFeatures	ویژگی های قلم عمودی
BoldFeatures	ویژگی های قلم سیاه
ItalicFeatures	ویژگی های قلم ایتالیک
BoldItalicFeatures	ویژگی های قلم ایتالیک سیاه
SlantedFeatures	ویژگی های قلم خوابیده
BoldSlantedFeatures	ویژگی های قلم خوابیده سیاه
SmallCapsFeatures	ویژگی های قلم کلاه کوچک
SizeFeatures	ویژگی های اندازه
Scale	ضریب
WordSpace	فضای کلمه
PunctuationSpace	فضای نقطه گذاری
FontAdjustment	تنظیم قلم
LetterSpace	فضای حرف
HyphenChar	نویسه تیره
Color	رنگ
Opacity	کدری
Mapping	نگاشت
Weight	سنگینی
Width	پهنا
OpticalSize	اندازه چشمی
FakeSlant	خوابیده تقلبی
FakeStretch	کشش تقلبی
FakeBold	سیاه تقلبی
AutoFakeSlant	خوابیده تقلبی خودکار
AutoFakeBold	سیاه تقلبی خودکار
Ligatures	دو یا چند حرف متصل به هم
Alternate	متناوب
Variant	گوناگون
Variant	مجموعه سبکی
CharacterVariant	گوناگونی نویسه

*Continued on next page*



Original font feature	Equivalent Persian font feature
Style	سبک
Annotation	یادداشت
RawFeature	ویژگی های کال
CharacterWidth	پهنای نویسه
Numbers	ارقام
Contextuals	متنی
Diacritics	تفکیک کننده ها
Letters	حروف
Kerning	دوری
VerticalPosition	موقعیت عمودی
Fractions	کسر

Table 9: Persian Equivalent font feature options

font feature	font feature option	Persian font feature option
Language	Default	پیش فرض
Language	Parsi	پارسی
Script	Parsi	پارسی
Script	Latin	لاتین
Style	MathScript	اسکرپیت ریاضی
Style	MathScriptScript	اسکرپیت اسکرپیت ریاضی

## 2.5 A Sample Input T<sub>E</sub>X File

```

1 \documentclass{article}
2 \usepackage{xepersian}
3 \settextfont{XB Niloofar}
4 \title{یک سند نمونه}
5 \author{نام نویسنده}
6 \begin{document}
7 \maketitle
8 \tableofcontents
9 \part{عنوان بخش}
10 ...
11 \section{عنوان قسمت}
12 ...
13 \subsection{عنوان زیرقسمت}
14 ...
15 \subsubsection{عنوان زیر زیر قسمت}
16 ...
17 \end{document}

```

## 2.6 Font Commands



### 2.6.1 Basic Font Commands

```
\settextfont [Options] {\font name}  
\setlatintextfont [Options] {\font name}  
\setmathdigitfont [Options] {\font name}  
\setmathsfdigitfont [Options] {\font name}  
\setmathttdigitfont [Options] {\font name}
```

- ☞ Options in any font command in this documentation are anything that fontspec package provides as the option of loading fonts, except Script and Mapping.
- ☞ `\settextfont` will choose the default font for Persian texts of your document.
- ☞ `\setlatintextfont` will choose the font for Latin texts of your document. If you do not use this command at all, the default T<sub>E</sub>X font (fonts used in this documentation) will be used for Latin texts of your document.
- ☞ `\setmathdigitfont` will choose the Persian font for digits in math mode. By default, digits in math mode will appear in Persian form.
- ☞ `\setmathsfdigitfont` will choose the Persian font for digits in math mode inside `\mathsf`. By using this command, digits in math mode inside `\mathsf` will appear in Persian form and if you do not use this command at all, you will get default T<sub>E</sub>X font for digits in math mode inside `\mathsf` and digits appear in their original form (Western).
- ☞ `\setmathttdigitfont` will choose the Persian font for digits in math mode inside `\mathtt`. By using this command, digits in math mode inside `\mathtt` will appear in Persian form and if you do not use this command at all, you will get default T<sub>E</sub>X font for digits in math mode inside `\mathtt` and digits appear in their original form (Western).

### 2.6.2 Defining Extra Persian and Latin Fonts

```
\defpersianfont\CS [Options] {\font name}  
\deflatinfont\CS [Options] {\font name}
```

- ☞ With `\defpersianfont`, you can define extra Persian fonts.

```
\defpersianfont\Nastaliq[Scale=1]{IranNastaliq}
```

In this example, we define `\Nastaliq` to stand for IranNastaliq font.

- ☞ With `\deflatinfont`, you can define extra Latin fonts.

```
\deflatinfont\junicode[Scale=1]{Junicode}
```

In this example, we define `\junicode` to stand for Junicode font.



### 2.6.3 Choosing Persian Sans Font

```
\setpersiansansfont [Options] {\font name}  
\persiansffamily \textpersiansf{\text}
```

### 2.6.4 Choosing Persian Mono Font

```
\setpersianmonofont [Options] {\font name}  
\persianttfamily \textpersiantt{\text}
```

### 2.6.5 Choosing Persian Iranic Font

```
\setiraniconfont [Options] {\font name}  
\iranicfamily \textiranicon{\text}
```

### 2.6.6 Choosing Persian Navar Font

```
\setnavarfont [Options] {\font name}  
\navarfamily \textnavar{\text}
```

### 2.6.7 Choosing Persian Pook Font

```
\setpookfont [Options] {\font name}  
\pookfamily \textpook{\text}
```

### 2.6.8 Choosing Persian Sayeh Font

```
\setsayehfont [Options] {\font name}  
\sayehfamily \textsayeh{\text}
```

### 2.6.9 Choosing Latin Sans Font

```
\setlatinsansfont [Options] {\font name}  
\sffamily \textsf{\text}
```

### 2.6.10 Choosing Latin Mono Font

```
\setlatinmonofont [Options] {\font name}  
\ttfamily \texttt{\text}
```



## 3 Latin and Persian Environment

```
\begin{latin} <text> \end{latin}  
\begin{persian} <text> \end{persian}
```

☞ `latin` environment both changes direction of the paragraphs to LTR and font to Latin font.

☞ `persian` environment both changes direction of the Paragraphs to RTL and font to Persian font.

### 3.1 `latinitems` and `parsiitems` environments

```
\begin{latinitems}  
  \item <text>  
  ...  
\end{latinitems}
```

☞ `latinitems` environment is similar to `LTItems` environment but changes the font to Latin font.

```
\begin{parsiitems}  
  \item <text>  
  ...  
\end{parsiitems}
```

☞ `parsiitems` environment is similar to `RTLItems` environment but changes the font to Persian font.

### 3.2 Short Latin and Persian Texts

```
\lr{<text>} \rl{<text>}
```

☞ With `\lr` command, you can typeset short LTR texts.

☞ With `\rl` command, you can typeset short RTL texts.

### 3.3 Miscellaneous Commands

```
\persianyear \persianmonth \persianday  
\today \latintoday \twocolumnstableofcontents \XePersian  
\plq \prq
```

☞ `\persianyear` is Persian equivalent of `\year`.



- ☞ `\persianmonth` is Persian equivalent of `\month`.
- ☞ `\persianday` is Persian equivalent of `\day`.
- ☞ `\today` typesets current Persian date and `\latintoday` typesets current Latin date.
- ☞ `\twocolumnstableofcontents` typesets table of contents in two columns. This requires that you have loaded `multicol` package before `XePersian` package, otherwise an error will be issued.
- ☞ `\XePersian` typesets XePersian's logo.
- ☞ `\plq` and `\prq` typeset Persian left quote and Persian right quote respectively.

### 3.4 New Commands

`\Latincite`

- ☞ `\Latincite` functions exactly like `\cite` command with only one difference; the reference to biblabel item is printed in Latin font in the text.

### 3.5 Additional Counters

XePersian defines several additional counters to what already  $\text{\LaTeX}$  offers. These counters are `harfi`, `adadi`, and `tartibi`. In addition, the following commands are also provided:

`\harfinumeral{⟨integer⟩}` `\adadinumeral{⟨integer⟩}` `\tartibinumeral{⟨integer⟩}`

- ☞ The range of `harfi` counter is integers between 1 and 32 (number of the Persian alphabets) and `adadi` and `tartibi` counters, are integers between 0 and 999,999,999.
- ☞ For `harfi` counter, if you give an integer bigger than 32 or a negative integer (if you give integer 0, it returns nothing), then you get error and for `adadi` and `tartibi` counters, if you give an integer bigger than 999,999,999, then you get an error message.
- ☞ For `adadi` and `tartibi` counters, if you give an integer less than 0 (a negative integer), then `adadi` and `tartibi` counters return **adadi** and **tartibi** form of the integer 0, respectively.
- ☞ `\harfinumeral` returns the **harfi** form of  $\langle integer \rangle$ , where  $1 \leq integer \leq 32$  and `\adadinumeral`, and `\tartibinumeral` return **adadi**, and **tartibi** form of  $\langle integer \rangle$  respectively, where  $0 \leq integer \leq 999,999,999$ .



### 3.6 Things To Know About `\setmathdigitfont`, `\setmathsfdigitfont`, and `\setmathtttdigitfont`

<code>\DefaultMathsDigits</code> <code>\PersianMathsDigits</code> <code>\AutoMathsDigits</code>
---

☞ As we discussed before, `\setmathdigitfont` will choose the Persian font for digits in math mode. By default, digits in math mode will appear in Persian form.

☞ As we discussed before, `\setmathsfdigitfont`, and `\setmathtttdigitfont` will choose the Persian sans serif and typewriter fonts for digits in math mode. By using this command, digits in math mode will appear in Persian form and if you do not use this command at all, you will get default T<sub>E</sub>X font for digits in math mode and digits appear in their original form (Western).

If you use `\setmathdigitfont`, `\setmathsfdigitfont`, and `\setmathtttdigitfont`, then you should know that:

☞ By default, `\AutoMathsDigits` is active, which means that in Persian mode, you get Persian digits in math mode and in Latin mode, you get T<sub>E</sub>X's default font and digits in math mode.

☞ If you use `\PersianMathsDigits` anywhere, you will overwrite XePersian's default behaviour and you will always get Persian digits in math mode.

☞ If you use `\DefaultMathsDigits` anywhere, again you will overwrite XePersian's default behaviour and you will always get T<sub>E</sub>X's default font and digits in math mode.

## 4 New Conditionals

### 4.1 Shell escape (or `write18`) conditional

<pre>\ifwritexviii   <i>&lt;material when Shell escape (or write18) is enabled&gt;</i> \else   <i>&lt;material when Shell escape (or write18) is not enabled&gt;</i> \fi</pre>
--

## 5 Bilingual Captions

XePersian sets caption bilingually. This means if you are in RTL mode, you get Persian caption and if you are in LTR mode, you get English caption.



## 5.1 Support For Various Packages

In addition to what bidi package supports, XePersian also support a few packages. This support is more about language aspect rather than directionality. These packages are algorithmic, algorithm, enumerate, and backref packages.

### 5.1.1 Things You Should Know about Support For enumerate Package

The enumerate package gives the enumerate environment an optional argument which determines the style in which the counter is printed.

An occurrence of one of the tokens A, a, I, i, or 1 produces the value of the counter printed with (respectively) \Alph, \alph, \Roman, \roman or \arabic.

In addition with the extra support that XePersian provides, an occurrence of one of the tokens l, ی, or ت produces the value of the counter printed with (respectively) \harfi, \adadi, or \tartibi.

These letters may be surrounded by any strings involving any other T<sub>E</sub>X expressions, however the tokens A, a, I, i, 1, l, ی, ت must be inside a {} group if they are not to be taken as special.

To see an Example, please look at enumerate package documentation.

## 5.2 Index Generation

For generating index, you are advised to use xindy program, any other program such as makeindex is not recommended.

## 5.3 Converting Your FarsiT<sub>E</sub>X Files To XePersian or Unicode

There is a python program written by Mostafa Vahedi that enables you to convert FarsiT<sub>E</sub>X files to XePersian or unicode. This program can be found in doc folder with the name ftxe-0.12.py. To convert your FarsiT<sub>E</sub>X files to XePersian, put ftxe-0.12.py in the same directory that your FarsiT<sub>E</sub>X file is, and then open a terminal/command prompt and do the following:

```
python ftxe-0.12.py file.ftx file.tex
```

This will convert your file.ftx (FarsiT<sub>E</sub>X file) to file.tex (XePersian file).

The general syntax of using the python script is as follow:

```
python ftxe-0.12.py [-r] [-s] [-x] [-u] input-filename1 input-filename2
```

Where

-r (DEFAULT) recursively consider files included in the given files

-s do not recursively consider files

-x (DEFAULT) insert XePersian related commands



-u only convert to unicode (and not to XePersian)

Please note that the python script will not work with versions of python later than 2.6. So you are encouraged to use version 2.6 of python to benefit from this python script.

## 6 Extra Packages And Classes

### 6.1 Magazine Typesetting

#### 6.1.1 Introduction

xepersian-magazine class allows you to create magazines, newspapers and any other types of papers. The output document has a front page and as many inner pages as desired. Articles appear one after another, telling the type, number of columns, heading, subheading, images, author and so forth. It is possible to change the aspect of (almost) everything therefore it is highly customisable. Commands to add different titles, headings and footers are also provided.

#### 6.1.2 Usage

To create<sup>2</sup> a magazine just load the class as usual<sup>3</sup>, with

```
\documentclass [Options] {xepersian-magazine}
```

at the beginning of your source file. The class options are described in [subsubsection 6.1.12](#).

From this point it is possible to include packages and renew class commands described in [subsubsection 6.1.9](#).

#### 6.1.3 Front Page

As every magazine, xepersian-magazine has its own front page. It includes main headings, an index, the magazine logo and other useful information. This environment should be the first you use within xepersian-magazine class but it is not mandatory.

```
\firstimage \firstarticle
```

The first two commands you can use inside the `frontpage` environment are `\firstimage` and `\firstarticle` which include, respectively, the main image and the main heading in the front page. The first one takes two arguments *<image>* and *<description>*. Notice that second argument is optional and it declares the image

<sup>2</sup>For a sample file, please look at `magazine-sample.tex` in the doc folder

<sup>3</sup>You also need to load `graphicx`, `xunicode` and `xepersian` packages respectively, after loading the document class and choose fonts for the main text, Latin text and digits in maths formulas. For more detail see [section 2](#) of the documentation.



caption; *<image>* defines the relative path to the image. In order to include the first piece of article use

```
\firstarticle{<title>}{<opening>}{<time>}
```

first two arguments are mandatory and represent heading and the opening paragraph. Last argument is optional (you can leave it blank) and indicates the time when article happened.

```
\secondarticle
```

The second piece of article is included using the command `\secondarticle` just as the first article. The main difference are that this second piece has two more arguments and it does not include an image.

```
\secondarticle{<title>}{<subtitle>}{<opening>}{<pagesof>}{<time>}
```

The new arguments *<subtitle>* and *<pagesof>* define a subtitle and the name of the section for this piece of article.

```
\thirdarticle
```

The third piece of article is the last one in the xepersian-magazine front page. It works like the `\secondarticle`.

```
\thirdarticle{<title>}{<subtitle>}{<opening>}{<pagesof>}{<time>}
```

The arguments meaning is the same as `\secondarticle` command.

The front page includes three information blocks besides the news: `indexblock` which contains the index, `authorblock` which includes information about the author and a `weatherblock` containing a weather forecast. All these three environments are mostly a frame in the front page therefore they can be redefined to fit your personal wishes but I kept them to give an example and to respect the original xepersian-magazine format.

```
\indexitem
```

The `indexblock` environment contains a manually edited index of xepersian-magazine. It takes one optional argument *<title>* and places a title over the index block. To add entries inside the index just type

```
\indexitem{<title>}{<reference>}
```

inside the environment. The *<title>* is the index entry text and the *<reference>* points to a article inside xepersian-magazine. It will be more clear when you read [subsub-](#)



[section 6.1.4](#). In order to get a correct output, it is necessary to leave a blank line between index items.

The `authorblock` environment can include whatever you would like. I called it `authorblock` because I think it is nice to include some author reference in the front page: who you are, why are you doing this... This environment creates a frame box in the bottom right corner of the front page with your own logo at the top.

```
\weatheritem
```

Finally, the `weatherblock` lets you include a weather forecast. It takes one optional argument  $\langle title \rangle$  that places a title over the weather block. It can fit up to three weather icons with maximum and minimum temperatures, description and name. To add each of the weather entries type the following

```
\weatheritem{\langle image \rangle}{\langle day-name \rangle}{\langle max \rangle}{\langle min \rangle}{\langle short-des \rangle}
```

The first argument includes the path to the weather icon (i.e. sunny or rainy),  $\langle day-name \rangle$  like Monday,  $\langle max \rangle$  and  $\langle min \rangle$  are the highest and lowest day temperatures and  $\langle short-des \rangle$  is a brief description of the weather condition: partly cloudy, sunny and windy ...

#### 6.1.4 Inside

Once we have created the front page we should include all articles inside our magazine. `xepersian-magazine` arranges all articles one after each other, expanding headings all over the page and splitting the article text in the number of columns we wish. There are three different environments to define a piece of article: the `article` environment described in [subsubsection 6.1.5](#), the `editorial` environment [subsubsection 6.1.6](#) for opinion articles and the `shortarticle` environment explained in [subsubsection 6.1.7](#).

#### 6.1.5 The article environment

The main environment to include a piece of article is called `article`. It takes four arguments that set up the headings and structure of the article.

```
\begin{article}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle subtitle \rangle}{\langle pagesof \rangle}{\langle label \rangle}  
... \langle text \rangle ...  
\end{article}
```

The first argument  $\langle num-of-columns \rangle$  sets the number of columns the article will be divided whereas  $\langle label \rangle$  is used when pointing an article from the index in the front page. The rest of the arguments are easy to understand.

Inside the `article` environment, besides the main text of the article, it is possible to include additional information using several class commands.



```
\authorandplace \timestamp
```

The `\authorandplace{<author>}{<place>}` inserts the name of the editor and the place where the article happened in the way many magazines do. Another useful command is `\timestamp{<time>}` which includes the time and a separator just before the text. These two commands should be used before the text because they type the text as the same place they are executed.

```
\image
```

To include images within the text of an article, xepersian-magazine provides an `\image` command. Since multicols package does not provide any float support for its multicols environment, I created a macro that includes an image only if that is possible, calculating if there is enough space for the image. It is not the best solution but it works quite well and I could not find a better one. To include an image use the command and its two arguments: the relative path to the image and a short description.

```
\image{<image>}{<description>}
```

```
\columnntitle \expandedtitle
```

Within the text of the article, it is possible to add column and expanded titles. The main difference between them is that the first one keeps inside the width of an article column whereas the second expands all over the width of the page, breaking all the columns. Their use is analogous, as follows

```
\columnntitle{<type>}{<text>}  
\expandedtitle{<type>}{<text>}
```

These two commands use fancybox package features. That is why there are five different types of titles which correspond mainly with fancybox ones: shadowbox, doublebox, ovalbox, Ovalbox and lines.

### 6.1.6 The editorial environment

In addition to the editorial article environment, one can use the editorial environment to create editorial or opinion texts. The main feature is that it transforms the style of the heading. Although this environment accepts all the commands article takes, it does not make any sense to use the `\authorandplace` command within it since it includes an author argument. To create an editorial text use



```
\begin{editorial}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle author \rangle}{\langle label \rangle}
...{\langle text \rangle}...
\end{editorial}
```

All arguments have the same meaning as article environment (see [subsubsection 6.1.5](#)).

### 6.1.7 The shortarticle environment

The shortarticle environment creates a block of short article. Although it has its own title and subtitle, each piece of article within it may have a title. To use it just type:

```
\begin{shortarticle}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle subtitle \rangle}{\langle label \rangle}
...{\langle text \rangle}...
\shortarticleitem{\langle title \rangle}{\langle text \rangle}
...
\end{shortarticle}
```

You can also specify the number of columns of the block like editorial and article environments. To add a piece of article inside the shortarticle use the `\shortarticleitem`, indicating a title and the text of the issue.

### 6.1.8 Commands between articles

```
\articlesep \newsection
```

There are two commands you can use among the articles inside xepersian-magazine: `\articlesep` and `\newsection`. The first one does not take any parameter and just draws a line between two articles. The second changes the content of `\xepersian@section` to the new *section name*. From the point it is used, all articles which follow will be grouped within the new section.

```
\newsection{\langle section name \rangle}
```

### 6.1.9 Customization

xepersian-magazine includes many commands which can be used to customize its aspect, from the front page to the last page. I will list them grouped so it is easy to find them. Treat them as standard  $\text{\LaTeX}$  commands, using `\renewcommand` to change their behaviour.



### 6.1.10 Front Page

```
\customlogo \customminilogo \custommagazinenam
```

When creating a magazine, everyone wants to show its own logo instead of xepersian-magazine default heading. To achieve this, you need to put the following command at the preamble of your document:

```
\customlogo{<text>}  
\customminilogo{<text>}  
\custommagazinenam{<text>}
```

```
\edition \editionformat
```

The edition text has to be declared in the preamble of the document. One important thing to know is that `\author`, `\date` and `\title` have no effect inside xepersian-magazine since the magazine date is taken from `\today` command and the other two are only for the title page (if using `\maketitle`).

```
\indexFormat \indexEntryFormat \indexEntryPageTxt  
\indexEntryPageFormat \indexEntrySeparator
```

When defining the index in the front page, there are several commands to customize the final index style. `\indexFormat` sets the format of the title; `\indexEntryFormat`, the format of each index entry; `\indexEntryPageTxt` and `\indexEntryPageFormat` lets you define which is the text that goes with the page number and its format. Finally, xepersian-magazine creates a thin line between index entries, you can redefine it using `\indexEntrySeparator`. To get the index with `\xepersian@indexwidth` is provided.

```
\weatherFormat \weatherTempFormat \weatherUnits
```

Relating to the weather block, the title format can be changed redefining `\weatherFormat`. In order to customize the format of the temperature numbers and their units it is necessary to redefine `\weatherTempFormat` and `\weatherUnits` respectively.

```
\*TitleFormat \*SubtitleFormat \*TextFormat
```

The main article that appear in the front page can change their formats. To obtain that there are three standard commands to modify the title, subtitle and text style. You just have to replace the star (\*) with first, second or third depending on which article you are editing. Note that first piece of article has no subtitle therefore it does not make any sense to use the non-existent command `\firstSubtitleFormat`.



```
\pictureCaptionFormat \pagesFormat
```

Two other elements to configure are the picture captions and the pages or section format in the entire document. To proceed just redefine the macros `\pictureCaptionFormat` and `\pagesFormat`.

#### 6.1.11 Inside The Magazine

```
\innerTitleFormat \innerSubtitleFormat \innerAuthorFormat  
\innerPlaceFormat
```

The articles inside `xepersian-magazine` may have a different format from the ones in the front page. To change their title or subtitle format redefine `\innerTitleFormat` and `\innerSubtitleFormat`. The article text format matches the document general definition. When using the `\authorandplace` command, you might want to change the default style. Just renew `\innerAuthorFormat` and `\innerPlaceFormat` to get the results.

```
\timestampTxt \timestampSeparator \timestampFormat
```

The `\timestamp` command described in [subsubsection 6.1.5](#) lets you introduce the time of the event before the article text. You can configure its appearance by altering several commands: `\timestampTxt` which means the text after the timestamp; `\timestampSeparator` which defines the element between the actual timestamp and the beginning of the text and, finally, `\timestampFormat` to change the entire timestamp format.

```
\innerTextFinalMark
```

`xepersian-magazine` puts a small black square at the end of the article. As I wanted to create a highly customizable  $\text{\LaTeX}$  class I added the macro `\innerTextFinalMark` to change this black square. This item will appear always following the last character of the text with the `~` character.

```
\minraggedcols \raggedFormat
```

The `\minraggedcols` counter is used to tell `xepersian-magazine` when article text should be ragged instead of justified. The counter represents the minimum number of columns that are needed in order to use ragged texts. For example, if `\minraggedcols` is set to 3, all articles with 3 columns or more will be ragged. Articles with 1, 2 columns will have justified text. By default, `\minraggedcols` is set to 4.

The `\raggedFormat` macro can be redefined to fit user ragged style. Default value is `\RaggedLeft`.



```
\heading \foot
```

xepersian-magazine includes package fancyhdr for changing headings and footers. Although it is possible to use its own commands to modify xepersian-magazine style, there are two commands to change headings and foot appearance. Place them in the preamble of your xepersian-magazine document.

```
\heading{\left}\{center\}\{right\}  
\foot{\left}\{center\}\{right\}
```

If you still prefer to use fancyhdr macros, use them after the `frontpage` environment. xepersian-magazine by default places no headers and footers. If you want headers and footers, then after loading xepersian package, you should write `\pagestyle{fancy}` at the preamble of your document.

### 6.1.12 Class Options

The xepersian-magazine class is in itself an alteration of the standard article class, thus it inherits most of its class options but twoside, twocolumn, notitlepage and a4paper. If you find problems when loading other article features, please let me know to fix it. There are also five own options that xepersian-magazine implements.

**a3paper** (false) This option makes xepersian-magazine 297 mm width by 420 mm height. This option is implemented because the standard article class does not allow this document size.

**9pt** (false) Allows the 9pt font size that article class does not include (default is 10pt).

**columnlines** columnlines (false) Adds lines between columns in the entire xepersian-magazine. The default line width is 0.1pt but it is possible to change this by setting length `\columnlines` in the preamble.

**showgrid** (false) This option is only for developing purposes. Because the front page has a personal design using the textpos package, I created this grid to make easier the layout.

## 6.2 Typesetting Multiple-choice Questions

### 6.2.1 Introduction

xepersian-multiplechoice is a package for making multiple choices questionnaires under  $\text{\LaTeX}$ . A special environment allows you to define questions and possible answers. You can specify which answers are correct and which are not. xepersian-multiplechoice not only formats the questions for you, but also generates a “form” (a grid that your students will have to fill in), and a “mask” (the same grid, only with correct answers properly checked in). You can then print the mask on a slide and correct the questionnaires more easily by superimposing the mask on top of students’ forms.



### 6.2.2 Usage

Here we now explain the usage of this package, however there are four example files, namely `test-question-only.tex`, `test-solution-form.tex`, `test-empty-form.tex` and `test-correction.tex`, available in doc folder that you may want to look at.

### 6.2.3 Loading The Package

You can load the package as usual by:

```
\usepackage [Options] {xepersian-multiplechoice}
```

The available options are described along the text, where appropriate.

### 6.2.4 Creating Questions

Here's a simple example demonstrating how to produce a new question:

```
1 \begin{question}{سؤال}
2 \false \ جواب
3 \true ٢ جواب
4 \false ٣ جواب
5 \false ٤ جواب
6 \end{question}
7 \begin{correction}
8 جواب واقعی و علت اینکه این جواب، جواب واقعی هست
9 \end{correction}
```

### 6.2.5 The question Environment

The `question` environment allows you to insert questions into your document. It takes one mandatory argument which specifies the actual question's text. The question will be displayed in a frame box, the size of the line.

```
\true \false
```

The proposed answers are displayed below the question in a list fashion (the question environment is a list-based one). Instead of using `\item` however, use either `\true` or `\false` to insert a possible answer.

### 6.2.6 Question Numbers

The `question` environment is associated with a  $\TeX$  counter named `question`. This counter stores the number of the next (or current) question. It is initialized to 1, and automatically incremented at the end of `question` environments. You might want to use it to format question titles. For instance, you could decide that each question belongs to a subsection in the `article` class, and use something like this before each question: `\subsection*{Question \thethequestion}`



### 6.2.7 The Form and the Mask

`\makeform \makemask`

Based on the questions appearing in your document, `xepersian-multiplechoice` has the ability to generate a “form” (a grid that your students will have to fill in), and a “mask” (the same grid, only with correct answers properly checked in). This can make the correction process easier.

To generate a form and a mask, use the macros `\makeform` and `\makemask`. `xepersian-multiplechoice` uses two auxiliary files to build them. These files have respectively an extension of `frm` and `msk`. If you use these macros, you will need two passes of  $\text{\LaTeX}$  in order to get a correctly formatted document.

### 6.2.8 Typesetting corrections

The “correction” mode allows you to automatically typeset and distribute corrections to your students. These corrections are slightly modified versions of your questionnaire: each possible answer is prefixed with a small symbol (a visual clue) indicating whether the answer was correct or wrong. In addition, you can typeset explanations below each question.

To activate the correction mode, use the `correction` option. It is off by default.

To typeset explanations below the questions, use the `correction` environment (no argument). The contents of this environment is displayed only in correction mode. In normal mode, it is simply discarded.

In addition, note that `xepersian-multiplechoice` cancels the actions performed by `\makeform` and `\makemask` in `correction` mode. This is to avoid further edition of the source when typesetting a correction.

### 6.2.9 Important Note

Currently, `xepersian-multiplechoice` requires that you provide a constant number of proposed answers across all questions in your `xepersian-multiplechoice`. This is something natural when you want to build forms, but this might be too restrictive otherwise, I’m not sure, so it is possible that this restriction will be removed in future versions.

Currently, there is a built-in mechanism for checking that the number of proposed answers remains constant: when `xepersian-multiplechoice` encounters the first occurrence of the `question` environment, it remembers the number of proposed answers from there. Afterwards, any noticed difference in subsequent occurrences will generate an error. As a consequence, you never have to tell `xepersian-multiplechoice` explicitly what that number is.

## 6.3 Customising The Package



### 6.3.1 The question environment

`\questionspace \answerstitlefont \answernumberfont`

`\questionspace` is the amount of extra vertical space to put under the question, before the list of proposed answers. This is a  $\text{\LaTeX}$  length that defaults to 0pt. Before the list of possible answers, a short title is displayed (for English, it reads “Possible answers:”). The `\answerstitlefont` macro takes one mandatory argument which redefines the font to use for the answers title. By default, `\bfseries` is used. Each proposed answer in the list is numbered automatically (and alphabetically). The `\answernumberfont` macro takes one mandatory argument which redefines the font to use for displaying the answer number. By default, `\bfseries` is used.

### 6.3.2 The Form and the Mask

`\headerfont \X`

The `\headerfont` macro takes one mandatory argument which redefines the font to use for the headers (first line and first column) of the form and mask arrays. By default, `\bfseries` is used.

In the mask, correct answers are checked in by filling the corresponding cell with an “X” character. If you want to change this, call the `\X` macro with one (mandatory) argument.

### 6.3.3 The correction

`\truesymbol \falsesymbol`

In correction mode, labels in front of answers are modified to give a visual clue about whether the answer was correct or wrong. By default, a cross and a small arrow are used. You can change these symbols by using the `\truesymbol` and `\falsesymbol` macros. For instance, you could give a fancier look to your correction by using the `pifont` package and issuing:

```
\truesymbol{\ding{'063}~}
\falsesymbol{\ding{'067}~}
```

`\correctionstyle`

The appearance of the contents of the correction environment can be adjusted by using the `\correctionstyle` macro. By default, `\itshape` is used.

## 7 xepersian implementation

### 7.1 algorithmic-xepersian.def



```

1 \ProvidesFile{algorithmic-xepersian.def}[2010/07/25 v0.2 adaptations for algorithmic package]
2 \def\algorithmicrequire{\if@RTL\textbf{ :}\else\textbf{Require:}\fi}
3 \def\algorithmicensure{\if@RTL\textbf{ :}\else\textbf{Ensure:}\fi}

```

## 7.2 algorithm-xepersian.def

```

4 \ProvidesFile{algorithm-xepersian.def}[2010/07/25 v0.2 adaptations for algorithm package]
5 \def\ALG@name{\if@RTL else\ Algorithm\fi}
6 \def\ALGS@name{ }
7 \def\listalgorithmname{\if@RTL \ALGS@name\else List of \ALG@name s\fi}

```

## 7.3 amsart-xepersian.def

```

8 \ProvidesFile{amsart-xepersian.def}[2017/02/04 v0.4 adaptations for amsart class]
9 \renewcommand \thepart {\@tartibi\c@part}
10 \def\appendix{\par\c@section\z@ \c@subsection\z@
11 \let\sectionname\appendixname
12 \def\thesection{\@harfi\c@section}}
13

```

## 7.4 amsbook-xepersian.def

```

14 \ProvidesFile{amsbook-xepersian.def}[2017/02/04 v0.5 adaptations for amsbook class]
15 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}
16 \renewcommand \thepart {\@tartibi\c@part}
17 \def\appendix{\par
18 \c@chapter\z@ \c@section\z@
19 \let\chaptername\appendixname
20 \def\thechapter{\@harfi\c@chapter}}
21
22

```

## 7.5 appendix-xepersian.def

```

23 \ProvidesFile{appendix-xepersian.def}[2015/02/01 v0.1 adaptations for appendix package]
24 \renewcommand{\@resets@pp}{\par
25 \@ppsavesec
26 \stepcounter{@pps}
27 \setcounter{section}{0}%
28 \if@chapter@pp
29 \setcounter{chapter}{0}%
30 \renewcommand\@chapapp{\appendixname}%
31 \renewcommand\thechapter{\@harfi\c@chapter}%
32 \else
33 \setcounter{subsection}{0}%
34 \renewcommand\thesection{\@harfi\c@section}%
35 \fi
36 \restoreapp
37 }

```

## 7.6 article-xepersian.def

```

38 \ProvidesFile{article-xepersian.def}[2010/07/25 v0.2 adaptations for standard article class]

```



```

39 \renewcommand \thepart {\@tartibi\c@part}
40 \renewcommand\appendix{\par
41   \setcounter{section}{0}%
42   \setcounter{subsection}{0}%
43   \gdef\thesection{\@harfi\c@section}}

```

## 7.7 artikel1-xepersian.def

```

44 \ProvidesFile{artikel1-xepersian.def}[2010/07/25 v0.1 adaptations for artikel1 class]
45 \renewcommand*\thepart{\@tartibi\c@part}
46 \renewcommand*\appendix{\par
47   \setcounter{section}{0}%
48   \setcounter{subsection}{0}%
49   \gdef\thesection{\@harfi\c@section}}

```

## 7.8 artikel2-xepersian.def

```

50 \ProvidesFile{artikel2-xepersian.def}[2010/07/25 v0.1 adaptations for artikel2 class]
51 \renewcommand*\thepart{\@tartibi\c@part}
52 \renewcommand*\appendix{\par
53   \setcounter{section}{0}%
54   \setcounter{subsection}{0}%
55   \gdef\thesection{\@harfi\c@section}}

```

## 7.9 artikel3-xepersian.def

```

56 \ProvidesFile{artikel3-xepersian.def}[2010/07/25 v0.1 adaptations for artikel3 class]
57 \renewcommand*\thepart{\@tartibi\c@part}
58 \renewcommand*\appendix{\par
59   \setcounter{section}{0}%
60   \setcounter{subsection}{0}%
61   \gdef\thesection{\@harfi\c@section}}

```

## 7.10 backref-xepersian.def

```

62 \ProvidesFile{backref-xepersian.def}[2010/07/25 v0.1 adaptations for backref package]
63 \def\backrefpagesname{\if@RTL else\   pages\fi}
64 \def\BR@Latincitex[#1]#2{%
65   \BRorg@Latincitex[#1]#2}%
66 \ifBR@verbose
67   \PackageInfo{backref}{back Latin cite \string`#2\string'}%
68 \fi
69 \Hy@backout{#2}%
70 }
71 \AtBeginDocument{%
72   \@ifundefined{NAT@parse}{%
73     \global\let\BRorg@Latincitex\@Latincitex
74     \global\let\@Latincitex\BR@Latincitex
75   }{%
76     \@ifpackageloaded{hyperref}{%
77       \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
78     }%
79     \PackageInfo{backref}{** backref set up for natbib **}%

```



```

80 }%
81 }%

```

### 7.11 bidentuftsidenote-xepersian.def

```

82 \ProvidesFile{bidentuftsidenote-xepersian.def}[2017/02/04 v0.3 xepersian changes to bidentufts
83
84 \setLTRcitationfont{\resetlatinfont\footnotesize}
85
86 \renewcommand*{\@bidentuftsidenote@LTRmarginfont}{\resetlatinfont\footnotesize}
87
88 \renewcommand*{\@bidentuftsidenote@RTLmarginfont}{\setpersianfont\footnotesize}
89
90

```

### 7.12 bidimoderncv-xepersian.def

```

91 \ProvidesFile{bidimoderncv-xepersian.def}[2010/07/25 v0.1 adaptations for bidimoderncv class]
92 \def\refname{\if@RTL else\      Publications\fi}

```

### 7.13 boek3-xepersian.def

```

93 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
94 \renewcommand*\thepart{\@tartibi\c@part}
95 \renewcommand*\frontmatter{%
96   \cleardoublepage
97   \@mainmatterfalse
98   \pagenumbering{harfi}}
99 \renewcommand*\appendix{\par
100   \setcounter{chapter}{0}%
101   \setcounter{section}{0}%
102   \gdef\@chapapp{\appendixname}%
103   \gdef\thechapter{\@harfi\c@chapter}}

```

### 7.14 boek-xepersian.def

```

104 \ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
105 \renewcommand*\thepart{\@tartibi\c@part}
106 \renewcommand*\frontmatter{%
107   \cleardoublepage
108   \@mainmatterfalse
109   \pagenumbering{harfi}}
110 \renewcommand*\appendix{\par
111   \setcounter{chapter}{0}%
112   \setcounter{section}{0}%
113   \gdef\@chapapp{\appendixname}%
114   \gdef\thechapter{\@harfi\c@chapter}}

```

### 7.15 bookest-xepersian.def

```

115 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
116 \renewcommand \thepart {\@tartibi\c@part}
117 \renewcommand\appendix{\par

```



```

118 \setcounter{chapter}{0}%
119 \setcounter{section}{0}%
120 \gdef\@chapapp{\appendixname}%
121 \gdef\thechapter{\@harfi\c@chapter}
122 }%end appendix

```

## 7.16 book-xepersian.def

```

123 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
124 \renewcommand\frontmatter{%
125     \cleardoublepage
126     \@mainmatterfalse
127     \pagenumbering{harfi}}
128 \renewcommand \thepart {\@tartibi\c@part}
129 \renewcommand\appendix{\par
130     \setcounter{chapter}{0}%
131     \setcounter{section}{0}%
132     \gdef\@chapapp{\appendixname}%
133     \gdef\thechapter{\@harfi\c@chapter}
134 }%end appendix

```

## 7.17 breqn-xepersian.def

```

135 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
136 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
137     \everydisplay\expandafter{\the\everydisplay \display@setup}%
138     \if@noskipsec \leavevmode \fi
139     \if@inlabel \leavevmode \global\@inlabelfalse \fi
140     \if\eq@group\else\eq@prelim\fi
141     \setkeys{breqn}{#1}%
142     \the\eqstyle
143     \eq@setnumber
144     \begingroup
145     \eq@setup@a
146     \eq@startup
147 }
148 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
149     \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
150     \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
151     \global\let\GRP@label\@empty
152     \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
153     \global\grp@linewidth\z@\global\grp@wdNum\z@
154     \global\let\grp@eqs@numbered\@False
155     \global\let\grp@aligned\@True
156     \global\let\grp@shiftnumber\@False
157     \eq@prelim
158     \setkeys{breqn}{#1}%
159     \if\grp@hasNumber \grp@setnumber \fi
160 }
161 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
162     \let\display@setup\dseries@display@setup

```



```

163 % Question: should this be the default for dseries???
164 \global\eq@wdCond\z@
165 \@dmath[layout={M},#1]%
166 \mathsurround\z@\@math \penalty\@Mi
167 \let\endmath\ends@math
168 \def\premath{%
169     \ifdim\lastskip<.3em \unskip
170     \else\ifnum\lastpenalty<\@M \dquad\fi\fi
171 }%
172 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
173 \ignorespaces
174 }

```

## 7.18 latex-localise-commands-xepersian.def

```

175 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of L
176 \eqcommand{ }{@arstrut}
177 \eqcommand{ }{above}
178 \eqcommand{ }{abovedisplayshortskip}
179 \eqcommand{ }{abovedisplayskip}
180 \eqcommand{ }{abstractname}
181 \eqcommand{ }{accent}
182 \eqcommand{ }{active}
183 \eqcommand{ }{addcontentsline}
184 \eqcommand{ }{addpenalty}
185 \eqcommand{ }{address}
186 \eqcommand{ }{addtocontents}
187 \eqcommand{ }{addtocounter}
188 \eqcommand{ }{addtolength}
189 \eqcommand{ }{addvspace}
190 \eqcommand{ }{adjdemerits}
191 \eqcommand{ }{advance}
192 \eqcommand{ }{afterassignment}
193 \eqcommand{ }{aftergroup}
194 \eqcommand{ }{aleph}
195 \eqcommand{ }{aliasfontfeature}
196 \eqcommand{ }{aliasfontfeatureoption}
197 \eqcommand{ }{allowbreak}
198 \eqcommand{ @}{alloc@}
199 \eqcommand{ }{allocationnumber}
200 \eqcommand{ }{allowdisplaybreaks}
201 \eqcommand{ }{Alph}
202 \eqcommand{ }{alph}
203 \eqcommand{ }{alsoname}
204 \eqcommand{ }{and}
205 \eqcommand{ }{angle}
206 \eqcommand{ }{appendixname}
207 \eqcommand{ }{approx}
208 \eqcommand{ }{arabic}
209 \eqcommand{ }{arg}

```



```

210 \eqcommand{    }\{arrayrulecolor\}
211 \eqcommand{    }\{arraycolsep\}
212 \eqcommand{    }\{arrayrulewidth\}
213 \eqcommand{    }\{arraystretch\}
214 \eqcommand{    }\{AtBeginDocument\}
215 \eqcommand{    }\{AtEndDocument\}
216 \eqcommand{    }\{AtEndOfClass\}
217 \eqcommand{    }\{AtEndOfPackage\}
218 \eqcommand{    }\{author\}
219 \eqcommand{    }\{backmatter\}
220 \eqcommand{    }\{backslash\}
221 \eqcommand{    }\{badness\}
222 \eqcommand{    }\{bar\}
223 \eqcommand{    }\{baselineskip\}
224 \eqcommand{    }\{baselinestretch\}
225 \eqcommand{    }\{batchmode\}
226 \eqcommand{    }\{begin\}
227 \eqcommand{    }\{beginL\}
228 \eqcommand{    }\{beginR\}
229 \eqcommand{    }\{begingroup\}
230 \eqcommand{    }\{belowdisplayshortskip\}
231 \eqcommand{    }\{belowdisplayskip\}
232 \eqcommand{    }\{bf\}
233 \eqcommand{    }\{bfdefault\}
234 \eqcommand{    }\{bfseries\}
235 \eqcommand{    }\{bgroup\}
236 \eqcommand{    }\{bibitem\}
237 \eqcommand{    }\{bibliography\}
238 \eqcommand{    }\{bibliographystyle\}
239 \eqcommand{    }\{bibname\}
240 \eqcommand{    }\{bigskip\}
241 \eqcommand{    }\{bigskipamount\}
242 \eqcommand{    }\{botfigrule\}
243 \eqcommand{    }\{botmark\}
244 \eqcommand{    }\{bottompageskip\}
245 \eqcommand{    }\{bottomfraction\}
246 \eqcommand{    }\{box\}
247 \eqcommand{    }\{boxmaxdepth\}
248 \eqcommand{    }\{break\}
249 \eqcommand{    }\{bullet\}
250 \eqcommand{ @ }\{@cclv\}
251 \eqcommand{ @ }\{@cclvi\}
252 \eqcommand{    }\{caption\}
253 \eqcommand{    }\{catcode\}
254 \eqcommand{    }\{cc\}
255 \eqcommand{    }\{ccname\}
256 \eqcommand{    }\{cdot\}
257 \eqcommand{    }\{cdots\}
258 \eqcommand{    }\{centering\}
259 \eqcommand{    }\{centerline\}

```



```

260 \eqcommand{ @ }{ch@ck}
261 \eqcommand{ }{chapter}
262 \eqcommand{ }{chaptername}
263 \eqcommand{ }{char}
264 \eqcommand{ }{chardef}
265 \eqcommand{ }{CheckCommand}
266 \eqcommand{ }{cite}
267 \eqcommand{ }{ClassError}
268 \eqcommand{ }{ClassInfo}
269 \eqcommand{ }{ClassWarning}
270 \eqcommand{ }{ClassWarningNoLine}
271 \eqcommand{ }{cleaders}
272 \eqcommand{ }{cleardoublepage}
273 \eqcommand{ }{clearpage}
274 \eqcommand{ }{cline}
275 \eqcommand{ }{closein}
276 \eqcommand{ }{closeout}
277 \eqcommand{ }{closing}
278 \eqcommand{ }{clubpenalty}
279 \eqcommand{ }{clubsuit}
280 \eqcommand{ }{colbotmark}
281 \eqcommand{ }{colfirstmark}
282 \eqcommand{ }{color}
283 \eqcommand{ }{colorbox}
284 \eqcommand{ }{coltopmark}
285 \eqcommand{ }{columncolor}
286 \eqcommand{ }{columnsep}
287 \eqcommand{ }{columnwidth}
288 \eqcommand{ }{columnseprule}
289 \eqcommand{ }{contentsline}
290 \eqcommand{ }{contentsname}
291 \eqcommand{ }{copy}
292 \eqcommand{ }{copyright}
293 \eqcommand{ }{count}
294 \eqcommand{ @}{count@}
295 \eqcommand{ }{countdef}
296 \eqcommand{ }{cr}
297 \eqcommand{ }{crr}
298 \eqcommand{ }{csname}
299 \eqcommand{ }{CurrentOption}
300 \eqcommand{ }{dashbox}
301 \eqcommand{ }{dashv}
302 \eqcommand{ @ }{@date}
303 \eqcommand{ }{date}
304 \eqcommand{ }{day}
305 \eqcommand{ }{dblbotfigrule}
306 \eqcommand{ }{dblbottomfraction}
307 \eqcommand{ }{dblfigrule}
308 \eqcommand{ }{dblfloatpagefraction}
309 \eqcommand{ }{dblfloatsep}

```



```

310 \eqcommand{      }\{dblfnfloatcode\}
311 \eqcommand{      }\{dbltextfloatsep\}
312 \eqcommand{      }\{dbltopfraction\}
313 \eqcommand{      }\{DeclareFixedFont\}
314 \eqcommand{      }\{DeclareGraphicsExtensions\}
315 \eqcommand{      }\{DeclareGraphicsRule\}
316 \eqcommand{      }\{DeclareOldFontCommand\}
317 \eqcommand{      }\{DeclareOption\}
318 \eqcommand{      }\{DeclareRobustCommand\}
319 \eqcommand{      }\{DeclareSymbolFont\}
320 \eqcommand{      }\{deadcycles\}
321 \eqcommand{ }\{def\}
322 \eqcommand{ @ }\{define@key\}
323 \eqcommand{   }\{definecolor\}
324 \eqcommand{ }\{deg\}
325 \eqcommand{ }\{delcode\}
326 \eqcommand{ }\{delimiter\}
327 \eqcommand{ }\{delimiterfactor\}
328 \eqcommand{ }\{depth\}
329 \eqcommand{ }\{diamondsuit\}
330 \eqcommand{ }\{dim\}
331 \eqcommand{ }\{dimen\}
332 \eqcommand{ @ }\{dimen@\}
333 \eqcommand{ @ }\{dimen@i\}
334 \eqcommand{ @ }\{dimen@ii\}
335 \eqcommand{   }\{dimendef\}
336 \eqcommand{   }\{discretionary\}
337 \eqcommand{   }\{displaybreak\}
338 \eqcommand{   }\{displayindent\}
339 \eqcommand{   }\{displaystyle\}
340 \eqcommand{   }\{displaywidth\}
341 \eqcommand{ }\{divide\}
342 \eqcommand{   }\{documentclass\}
343 \eqcommand{ }\{do\}
344 \eqcommand{   }\{dospecials\}
345 \eqcommand{ }\{dot\}
346 \eqcommand{ }\{doteq\}
347 \eqcommand{ }\{dotfill\}
348 \eqcommand{ }\{dots\}
349 \eqcommand{ }\{doublebox\}
350 \eqcommand{   }\{doublerulesepcolor\}
351 \eqcommand{   }\{doublerulesep\}
352 \eqcommand{ }\{downarrow\}
353 \eqcommand{ }\{dp\}
354 \eqcommand{ }\{dump\}
355 \eqcommand{ }\{edef\}
356 \eqcommand{ }\{egroup\}
357 \eqcommand{ }\{eject\}
358 \eqcommand{ }\{else\}
359 \eqcommand{ }\{em\}

```



```

360 \eqcommand{    }{emergencystretch}
361 \eqcommand{    }{emph}
362 \eqcommand{@ }{@empty}
363 \eqcommand{    }{empty}
364 \eqcommand{    }{emptyset}
365 \eqcommand{    }{end}
366 \eqcommand{    }{endL}
367 \eqcommand{    }{endR}
368 \eqcommand{    }{endcsname}
369 \eqcommand{    }{endfirsthead}
370 \eqcommand{    }{endfoot}
371 \eqcommand{    }{endgraf}
372 \eqcommand{    }{endgroup}
373 \eqcommand{    }{endhead}
374 \eqcommand{    }{endinput}
375 \eqcommand{    }{endlastfoot}
376 \eqcommand{    }{enlargethispage}
377 \eqcommand{    }{endline}
378 \eqcommand{    }{endlinechar}
379 \eqcommand{    }{enspace}
380 \eqcommand{    }{enskip}
381 \eqcommand{    }{eqcommand}
382 \eqcommand{    }{eqenvironment}
383 \eqcommand{    }{eqref}
384 \eqcommand{    }{errhelp}
385 \eqcommand{    }{errmessage}
386 \eqcommand{    }{errorcontextlines}
387 \eqcommand{    }{errorstopmode}
388 \eqcommand{    }{escapechar}
389 \eqcommand{    }{euro}
390 \eqcommand{    }{evensidemargin}
391 \eqcommand{    }{everycr}
392 \eqcommand{    }{everydisplay}
393 \eqcommand{    }{everyhbox}
394 \eqcommand{    }{everyjob}
395 \eqcommand{    }{everymath}
396 \eqcommand{    }{everypar}
397 \eqcommand{    }{everyvbox}
398 \eqcommand{    }{ExecuteOptions}
399 \eqcommand{    }{exhyphenpenalty}
400 \eqcommand{    }{expandafter}
401 \eqcommand{    }{extracolsep}
402 \eqcommand{@ }{@firstofone}
403 \eqcommand{@ }{@firstoftwo}
404 \eqcommand{ @ }{f@ur}
405 \eqcommand{    }{fam}
406 \eqcommand{    }{fancy page}
407 \eqcommand{    }{fbox}
408 \eqcommand{    }{fboxrule}
409 \eqcommand{    }{fboxsep}

```



```

410 \eqcommand{      }{fcolorbox}
411 \eqcommand{ }{fi}
412 \eqcommand{      }{figurename}
413 \eqcommand{      }{filbreak}
414 \eqcommand{ }{fill}
415 \eqcommand{      }{firstmark}
416 \eqcommand{ }{flat}
417 \eqcommand{      }{floatpagefraction}
418 \eqcommand{      }{floatingpenalty}
419 \eqcommand{      }{floatsep}
420 \eqcommand{      }{flushbottom}
421 \eqcommand{      }{fmtname}
422 \eqcommand{      }{fmtversion}
423 \eqcommand{      }{fnsymbol}
424 \eqcommand{ }{font}
425 \eqcommand{      }{fontdimen}
426 \eqcommand{      }{fontencoding}
427 \eqcommand{      }{fontfamily}
428 \eqcommand{      }{fontname}
429 \eqcommand{      }{fontseries}
430 \eqcommand{      }{fontshape}
431 \eqcommand{      }{fontsize}
432 \eqcommand{      }{footheight}
433 \eqcommand{      }{footins}
434 \eqcommand{      }{footnote}
435 \eqcommand{      }{footnotemark}
436 \eqcommand{      }{footnoterule}
437 \eqcommand{      }{footnotesep}
438 \eqcommand{      }{footnotesize}
439 \eqcommand{      }{footnotetext}
440 \eqcommand{      }{footskip}
441 \eqcommand{ }{frame}
442 \eqcommand{      }{framebox}
443 \eqcommand{      }{frenchspacing}
444 \eqcommand{      }{frontmatter}
445 \eqcommand{      }{futurelet}
446 \eqcommand{@      }{@gobble}
447 \eqcommand{@      }{@gobbletwo}
448 \eqcommand{@      }{@gobblefour}
449 \eqcommand{@      }{@gtempa}
450 \eqcommand{@      }{@gtempb}
451 \eqcommand{ }{gdef}
452 \eqcommand{      }{GenericInfo}
453 \eqcommand{      }{GenericWarning}
454 \eqcommand{      }{GenericError}
455 \eqcommand{ }{global}
456 \eqcommand{      }{globaldefs}
457 \eqcommand{      }{glossary}
458 \eqcommand{      }{glossaryentry}
459 \eqcommand{      }{goodbreak}

```



```

460 \eqcommand{    }\{graphpaper\}
461 \eqcommand{    }\{guillemotleft\}
462 \eqcommand{    }\{guillemotright\}
463 \eqcommand{    }\{guilsinglleft\}
464 \eqcommand{    }\{guilsinglright\}
465 \eqcommand{    }\{halign\}
466 \eqcommand{    }\{hang\}
467 \eqcommand{    }\{hangafter\}
468 \eqcommand{    }\{hangindent\}
469 \eqcommand{    }\{hbadness\}
470 \eqcommand{    }\{hbox\}
471 \eqcommand{    }\{headheight\}
472 \eqcommand{    }\{headsep\}
473 \eqcommand{    }\{headtoname\}
474 \eqcommand{    }\{heartsuit\}
475 \eqcommand{    }\{height\}
476 \eqcommand{    }\{hfil\}
477 \eqcommand{    }\{hfill\}
478 \eqcommand{    }\{hfilneg\}
479 \eqcommand{    }\{hfuzz\}
480 \eqcommand{    }\{hideskip\}
481 \eqcommand{    }\{hidewidth\}
482 \bidi@csletcs{ }\{hline\}% this is an exception
483 \eqcommand{    }\{hoffset\}
484 \eqcommand{    }\{holdinginserts\}
485 \eqcommand{    }\{hrboxsep\}
486 \eqcommand{    }\{hrule\}
487 \eqcommand{    }\{hrulefill\}
488 \eqcommand{    }\{hsize\}
489 \eqcommand{    }\{hskip\}
490 \eqcommand{    }\{hspace\}
491 \eqcommand{    }\{hss\}
492 \eqcommand{    }\{ht\}
493 \eqcommand{    }\{huge\}
494 \eqcommand{    }\{Huge\}
495 \eqcommand{    }\{hyperlink\}
496 \eqcommand{    }\{hypersetup\}
497 \eqcommand{    }\{hypertarget\}
498 \eqcommand{    }\{hyphenation\}
499 \eqcommand{    }\{hyphenchar\}
500 \eqcommand{    }\{hyphenpenalty\}
501 \eqcommand{@    }\{@ifclassloaded\}
502 \eqcommand{@    }\{@ifdefinable\}
503 \eqcommand{@    }\{@ifnextchar\}
504 \eqcommand{@    }\{@ifpackageloaded\}
505 \eqcommand{@    }\{@ifstar\}
506 \eqcommand{@    }\{@ifundefined\}
507 \eqcommand{    }\{if\}
508 \eqcommand{    @ }\{if@tempw\}
509 \eqcommand{    }\{ifcase\}

```



```

510 \eqcommand{ }{ifcat}
511 \eqcommand{ }{ifdefined}
512 \eqcommand{ }{ifdim}
513 \eqcommand{ }{ifeof}
514 \eqcommand{ }{iff}
515 \eqcommand{ }{iffalse}
516 \eqcommand{ }{IfFileExists}
517 \eqcommand{ }{ifhbox}
518 \eqcommand{ }{ifhmode}
519 \eqcommand{ }{ifinner}
520 \eqcommand{ }{ifmmode}
521 \eqcommand{ }{ifnum}
522 \eqcommand{ }{ifodd}
523 \eqcommand{ }{ifthenelse}
524 \eqcommand{ }{iftrue}
525 \eqcommand{ }{ifvbox}
526 \eqcommand{ }{ifvmode}
527 \eqcommand{ }{ifvoid}
528 \eqcommand{ }{ifx}
529 \eqcommand{ }{ignorespaces}
530 \eqcommand{ }{immediate}
531 \eqcommand{ }{include}
532 \eqcommand{ }{includegraphics}
533 \eqcommand{ }{includeonly}
534 \eqcommand{ }{indent}
535 \eqcommand{ }{index}
536 \eqcommand{ }{indexentry}
537 \eqcommand{ }{indexname}
538 \eqcommand{ }{indexspace}
539 \eqcommand{ }{input}
540 \eqcommand{ }{InputIfFileExists}
541 \eqcommand{ }{inputlineno}
542 \eqcommand{ }{insert}
543 \eqcommand{ }{insertpenalties}
544 \eqcommand{ }{interfootnotelinepenalty}
545 \eqcommand{ }{interdisplaylinepenalty}
546 \eqcommand{ }{interlinepenalty}
547 \eqcommand{ }{intertext}
548 \eqcommand{ }{intertextsep}
549 \eqcommand{ }{invisible}
550 \eqcommand{ }{itdefault}
551 \eqcommand{ }{itshape}
552 \eqcommand{ }{item}
553 \eqcommand{ }{itemindent}
554 \eqcommand{ }{itemsep}
555 \eqcommand{ }{iterate}
556 \eqcommand{ }{itshape}
557 \eqcommand{ }{jobname}
558 \eqcommand{ }{jot}
559 \eqcommand{ }{kern}

```



```

560 \eqcommand{ }{kill}
561 \eqcommand{ }{label}
562 \eqcommand{ }{labelenumi}
563 \eqcommand{ }{labelenumii}
564 \eqcommand{ }{labelenumiii}
565 \eqcommand{ }{labelenumiv}
566 \eqcommand{ }{labelitemi}
567 \eqcommand{ }{labelitemii}
568 \eqcommand{ }{labelitemiii}
569 \eqcommand{ }{labelitemiv}
570 \eqcommand{ }{labelsep}
571 \eqcommand{ }{labelwidth}
572 \eqcommand{ }{language}
573 \eqcommand{ }{large}
574 \eqcommand{ }{Large}
575 \eqcommand{ }{LARGE}
576 \eqcommand{ }{lastbox}
577 \eqcommand{ }{lastkern}
578 \eqcommand{ }{lastpenalty}
579 \eqcommand{ }{lastskip}
580 \eqcommand{ }{LaTeX}
581 \eqcommand{ }{LaTeXe}
582 \eqcommand{ }{lccode}
583 \eqcommand{ }{ldots}
584 \eqcommand{ }{leaders}
585 \eqcommand{ }{leavevmode}
586 \eqcommand{ }{left}
587 \eqcommand{ }{leftmargin}
588 \eqcommand{ }{leftmargini}
589 \eqcommand{ }{leftmarginii}
590 \eqcommand{ }{leftmarginiii}
591 \eqcommand{ }{leftmarginiv}
592 \eqcommand{ }{leftmarginv}
593 \eqcommand{ }{leftmarginvi}
594 \eqcommand{ }{leftmark}
595 \eqcommand{ }{leftpageskip}
596 \eqcommand{ }{leftskip}
597 \eqcommand{ }{let}
598 \eqcommand{ }{line}
599 \eqcommand{ }{linebreak}
600 \eqcommand{ }{linepenalty}
601 \eqcommand{ }{lineskip}
602 \eqcommand{ }{lineskiplimit}
603 \eqcommand{ }{linespread}
604 \eqcommand{ }{linethickness}
605 \eqcommand{ }{linewidth}
606 \eqcommand{ }{listfigurename}
607 \eqcommand{ }{listfiles}
608 \eqcommand{ }{listoffigures}
609 \eqcommand{ }{listoftables}

```



```

610 \eqcommand{      }{listparindent}
611 \eqcommand{      }{listtablename}
612 \eqcommand{      }{LoadClass}
613 \eqcommand{      }{LoadClassWithOptions}
614 \eqcommand{ }{location}
615 \eqcommand{ }{long}
616 \eqcommand{ }{looseness}
617 \eqcommand{ }{lower}
618 \eqcommand{@ }{@makeother}
619 \eqcommand{@ }{@m}
620 \eqcommand{ @ }{@M}
621 \eqcommand{ @ }{@Mi}
622 \eqcommand{ @ }{@Mii}
623 \eqcommand{ @ }{@Miii}
624 \eqcommand{ @ }{@Miv}
625 \eqcommand{ @ }{@MM}
626 \eqcommand{ @ }{@m@ne}
627 \eqcommand{ }{mag}
628 \eqcommand{ }{magstep}
629 \eqcommand{ }{magstephalf}
630 \eqcommand{ }{mainmatter}
631 \eqcommand{ }{makeatletter}
632 \eqcommand{ }{makeatother}
633 \eqcommand{ }{makebox}
634 \eqcommand{ }{makeglossary}
635 \eqcommand{ }{makeindex}
636 \eqcommand{ }{makelabel}
637 \eqcommand{ }{makelabels}
638 \eqcommand{ }{MakeLowercase}
639 \eqcommand{ }{maketitle}
640 \eqcommand{ }{MakeUppercase}
641 \eqcommand{ }{marginpar}
642 \eqcommand{ }{marginparpush}
643 \eqcommand{ }{marginparsep}
644 \eqcommand{ }{marginparwidth}
645 \eqcommand{ }{mark}
646 \eqcommand{ }{markboth}
647 \eqcommand{ }{markright}
648 \eqcommand{ }{mathaccent}
649 \eqcommand{ }{mathchar}
650 \eqcommand{ }{mathchardef}
651 \eqcommand{ }{mathcode}
652 \eqcommand{ }{mathrm}
653 \eqcommand{ }{maxdeadcycles}
654 \eqcommand{ }{maxdepth}
655 \eqcommand{ }{maxdimen}
656 \eqcommand{ }{mbox}
657 \eqcommand{ }{mdseries}
658 \eqcommand{ }{meaning}
659 \eqcommand{ }{mediumseries}

```



```

660 \eqcommand{      }{medmuskip}
661 \eqcommand{      }{medskip}
662 \eqcommand{      }{medskipamount}
663 \eqcommand{      }{medspace}
664 \eqcommand{ }{message}
665 \eqcommand{      }{MessageBreak}
666 \eqcommand{      }{minrowclearance}
667 \eqcommand{      }{mkern}
668 \eqcommand{ }{month}
669 \eqcommand{      }{moveleft}
670 \eqcommand{      }{moveright}
671 \eqcommand{      }{mskip}
672 \eqcommand{ @ }{m@th}
673 \eqcommand{      }{multicolumn}
674 \eqcommand{ }{multiply}
675 \eqcommand{      }{multispan}
676 \eqcommand{      }{muskip}
677 \eqcommand{      }{muskipdef}
678 \eqcommand{@ }{@namedef}
679 \eqcommand{@ }{@nameuse}
680 \eqcommand{ @ }{@ne}
681 \eqcommand{ }{name}
682 \eqcommand{      }{natural}
683 \eqcommand{      }{nearrow}
684 \eqcommand{      }{nearrower}
685 \eqcommand{      }{NeedsTeXFormat}
686 \eqcommand{ }{neg}
687 \eqcommand{      }{negmedspace}
688 \eqcommand{      }{negthickspace}
689 \eqcommand{      }{negthinspace}
690 \eqcommand{ }{newboolean}
691 \eqcommand{      }{newbox}
692 \eqcommand{      }{newcommand}
693 \eqcommand{      }{newcount}
694 \eqcommand{      }{newcounter}
695 \eqcommand{      }{newdimen}
696 \eqcommand{ }{newenvironment}
697 \eqcommand{      }{newfam}
698 \eqcommand{ }{newfont}
699 \eqcommand{      }{newhelp}
700 \eqcommand{      }{newinsert}
701 \eqcommand{      }{newlabel}
702 \eqcommand{      }{newlength}
703 \eqcommand{ }{newline}
704 \eqcommand{      }{newlinechar}
705 \eqcommand{      }{newmuskip}
706 \eqcommand{      }{newpage}
707 \eqcommand{      }{newread}
708 \eqcommand{      }{newsavebox}
709 \eqcommand{      }{newskip}

```



```

710 \eqcommand{      }\{newtheorem\}
711 \eqcommand{      }\{newtoks\}
712 \eqcommand{      }\{newwrite\}
713 \eqcommand{      }\{noalign\}
714 \eqcommand{      }\{nobreak\}
715 \eqcommand{      }\{nobreakspace\}
716 \eqcommand{      }\{nocite\}
717 \eqcommand{      }\{noexpand\}
718 \eqcommand{      }\{nofiles\}
719 \eqcommand{      }\{noindent\}
720 \eqcommand{      }\{nointerlineskip\}
721 \eqcommand{      }\{nolimits\}
722 \eqcommand{      }\{nolinebreak\}
723 \eqcommand{      }\{nonstopmode\}
724 \eqcommand{      }\{nonfrenchspacing\}
725 \eqcommand{      }\{nonumber\}
726 \eqcommand{      }\{nopagebreak\}
727 \eqcommand{      }\{normalbaselines\}
728 \eqcommand{      }\{normalbaselineskip\}
729 \eqcommand{      }\{normalcolor\}
730 \eqcommand{      }\{normalfont\}
731 \eqcommand{      }\{normallineskip\}
732 \eqcommand{      }\{normallineskiplimit\}
733 \eqcommand{      }\{normalmarginpar\}
734 \eqcommand{      }\{normalsize\}
735 \eqcommand{      }\{notag\}
736 \eqcommand{      }\{null\}
737 \eqcommand{      }\{nullfont\}
738 \eqcommand{      }\{number\}
739 \eqcommand{      }\{numberline\}
740 \eqcommand{      }\{numberwithin\}
741 \eqcommand{      }\{@evenfoot\}
742 \eqcommand{      }\{@evenhead\}
743 \eqcommand{      }\{@oddfoot\}
744 \eqcommand{      }\{@oddhead\}
745 \eqcommand{      }\{@outeqntrue\}
746 \eqcommand{      }\{@outeqnfalse\}
747 \eqcommand{      }\{obeylines\}
748 \eqcommand{      }\{obeyspaces\}
749 \eqcommand{      }\{oddsidemargin\}
750 \eqcommand{      }\{offinterlineskip\}
751 \eqcommand{      }\{omit\}
752 \eqcommand{@      }\{@onlypreamble\}
753 \eqcommand{      }\{onecolumn\}
754 \eqcommand{      }\{onlynotes\}
755 \eqcommand{      }\{onlyslides\}
756 \eqcommand{      }\{openin\}
757 \eqcommand{      }\{openout\}
758 \eqcommand{      }\{OptionNotUsed\}
759 \eqcommand{      }\{or\}

```



```

760 \eqcommand{ }{outer}
761 \eqcommand{ }{output}
762 \eqcommand{ }{outputpenalty}
763 \eqcommand{ }{overfullrule}
764 \eqcommand{@ }{@preamblecmds}
765 \eqcommand{@ }{p@}
766 \eqcommand{ }{PackageError}
767 \eqcommand{ }{PackageInfo}
768 \eqcommand{ }{PackageWarning}
769 \eqcommand{ }{PackageWarningNoLine}
770 \eqcommand{ }{pagebreak}
771 \eqcommand{ }{pagecolor}
772 \eqcommand{ }{pagedepth}
773 \eqcommand{ }{pagefilllstretch}
774 \eqcommand{ }{pagefillstretch}
775 \eqcommand{ }{pagefilstretch}
776 \eqcommand{ }{pagegoal}
777 \eqcommand{ }{pagename}
778 \eqcommand{ }{pagenumbering}
779 \eqcommand{ }{pageref}
780 \eqcommand{ }{pagerulewidth}
781 \eqcommand{ }{pageshrink}
782 \eqcommand{ }{pagestretch}
783 \eqcommand{ }{pagestyle}
784 \eqcommand{ }{pagetotal}
785 \eqcommand{ }{paperheight}
786 \eqcommand{ }{paperwidth}
787 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
788 \eqcommand{ }{paragraph}
789 \eqcommand{ }{parallel}
790 \eqcommand{ }{parbox}
791 \eqcommand{ }{parfillskip}
792 \eqcommand{ }{parindent}
793 \eqcommand{ }{parsep}
794 \eqcommand{ }{parshape}
795 \eqcommand{ }{parskip}
796 \eqcommand{ }{part}
797 \eqcommand{ }{partname}
798 \eqcommand{ }{partopsep}
799 \eqcommand{ }{PassOptionToClass}
800 \eqcommand{ }{PassOptionToPackage}
801 \eqcommand{ }{path}
802 \eqcommand{ }{patterns}
803 \eqcommand{ }{pausing}
804 \eqcommand{ }{penalty}
805 \eqcommand{ }{phantom}
806 \eqcommand{ }{poptabs}
807 \eqcommand{ }{postdisplaypenalty}
808 \eqcommand{ }{predisplaydirection}
809 \eqcommand{ }{predisplaypenalty}

```



```

810 \eqcommand{      }{predisplaysize}
811 \eqcommand{      }{pretolerance}
812 \eqcommand{      }{prevdepth}
813 \eqcommand{      }{prevgraf}
814 \eqcommand{      }{printindex}
815 \eqcommand{      }{ProcessOptions}
816 \eqcommand{ }{protect}
817 \eqcommand{      }{providecommand}
818 \eqcommand{      }{ProvidesClass}
819 \eqcommand{      }{ProvidesFile}
820 \eqcommand{      }{ProvidesPackage}
821 \eqcommand{      }{pushtabs}
822 \eqcommand{ }{quad}
823 \eqcommand{      }{qquad}
824 \eqcommand{@      }{@outputpagerestore}
825 \eqcommand{      }{radical}
826 \eqcommand{      }{raggedbottom}
827 \eqcommand{      }{raggedleft}
828 \eqcommand{      }{raggedright}
829 \eqcommand{      }{raise}
830 \eqcommand{      }{raisebox}
831 \eqcommand{      }{raisetag}
832 \eqcommand{      }{rangle}
833 \eqcommand{ }{rceil}
834 \eqcommand{      }{read}
835 \eqcommand{ }{ref}
836 \eqcommand{      }{reflectbox}
837 \eqcommand{      }{refname}
838 \eqcommand{      }{refstepcounter}
839 \eqcommand{ }{relax}
840 \eqcommand{      }{removelastskip}
841 \eqcommand{      }{renewcommand}
842 \eqcommand{      }{renewenvironment}
843 \eqcommand{      }{RequirePackage}
844 \eqcommand{      }{RequirePackageWithOptions}
845 \eqcommand{      }{resizebox}
846 \eqcommand{      }{reversemarginpar}
847 \eqcommand{ }{rfloor}
848 \eqcommand{ }{right}
849 \eqcommand{      }{rightmargin}
850 \eqcommand{      }{rightmark}
851 \eqcommand{      }{rightpageskip}
852 \eqcommand{      }{rightskip}
853 \eqcommand{      }{rmdefault}
854 \eqcommand{      }{rmfamily}
855 \eqcommand{      }{Roman}
856 \eqcommand{      }{roman}
857 \eqcommand{      }{romannumeral}
858 \eqcommand{      }{rotatebox}
859 \eqcommand{      }{rowcolor}

```



```

860 \eqcommand{ }{rule}
861 \eqcommand{@ }{@secondoftwo}
862 \eqcommand{@ }{@spaces}
863 \eqcommand{ }{samepage}
864 \eqcommand{ }{savebox}
865 \eqcommand{ }{sbox}
866 \eqcommand{ }{scalebox}
867 \eqcommand{ }{scdefault}
868 \eqcommand{ }{scshape}
869 \eqcommand{ }{setkeys}
870 \eqcommand{ }{scriptfont}
871 \eqcommand{ }{scriptscriptfont}
872 \eqcommand{ }{scriptscriptstyle}
873 \eqcommand{ }{scriptsize}
874 \eqcommand{ }{scripstyle}
875 \eqcommand{ }{scrollmode}
876 \eqcommand{ }{section}
877 \eqcommand{ }{secdef}
878 \eqcommand{ }{see}
879 \eqcommand{ }{seealso}
880 \eqcommand{ }{seename}
881 \eqcommand{ }{selectfont}
882 \eqcommand{ }{setboolean}
883 \eqcommand{ }{setbox}
884 \eqcommand{ }{setcounter}
885 \eqcommand{ }{setlength}
886 \eqcommand{ }{setminus}
887 \eqcommand{ }{SetSymbolFont}
888 \eqcommand{ }{settodepth}
889 \eqcommand{ }{settoheight}
890 \eqcommand{ }{settowidth}
891 \eqcommand{ }{sfcode}
892 \eqcommand{ }{sfdefault}
893 \eqcommand{ }{sffamily}
894 \eqcommand{ }{shadowbox}
895 \eqcommand{ }{sharp}
896 \eqcommand{ }{shipout}
897 \eqcommand{ }{shortstack}
898 \eqcommand{ }{show}
899 \eqcommand{ }{showbox}
900 \eqcommand{ }{showboxbreadth}
901 \eqcommand{ }{showboxdepth}
902 \eqcommand{ }{showlists}
903 \eqcommand{ }{showthe}
904 \eqcommand{ }{simplefontmode}
905 \eqcommand{ @}{sift@@n}
906 \eqcommand{ }{skewchar}
907 \eqcommand{ }{skip}
908 \eqcommand{ @}{skip@}
909 \eqcommand{ }{skipdef}

```



```

910 \eqcommand{      }\{sl\}
911 \eqcommand{      }\{sldefault\}
912 \eqcommand{      }\{slshape\}
913 \eqcommand{      }\{sloppy\}
914 \eqcommand{      }\{slshape\}
915 \eqcommand{      }\{small\}
916 \eqcommand{      }\{smallskip\}
917 \eqcommand{      }\{smallskipamount\}
918 \eqcommand{      }\{smash\}
919 \eqcommand{      }\{smile\}
920 \eqcommand{      }\{snglftlocatencode\}
921 \eqcommand{      }\{space\}
922 \eqcommand{      }\{spacefactor\}
923 \eqcommand{      }\{spaceskip\}
924 \eqcommand{      }\{spadesuit\}
925 \eqcommand{      }\{span\}
926 \eqcommand{      }\{special\}
927 \eqcommand{      }\{splitmaxdepth\}
928 \eqcommand{      }\{splittopskip\}
929 \eqcommand{      }\{star\}
930 \eqcommand{      }\{stepcounter\}
931 \eqcommand{      }\{stretch\}
932 \eqcommand{      }\{string\}
933 \eqcommand{      }\{strut\}
934 \eqcommand{      }\{strutbox\}
935 \eqcommand{      }\{subitem\}
936 \eqcommand{      }\{subparagraph\}
937 \eqcommand{      }\{subsection\}
938 \eqcommand{      }\{substack\}
939 \eqcommand{      }\{subsubitem\}
940 \eqcommand{      }\{subsubsection\}
941 \eqcommand{      }\{subset\}
942 \eqcommand{      }\{subseteq\}
943 \eqcommand{      }\{supereject\}
944 \eqcommand{      }\{suppressfloats\}
945 \eqcommand{@      }\{@tempa\}
946 \eqcommand{@      }\{@tempb\}
947 \eqcommand{@      }\{@tempc\}
948 \eqcommand{@      }\{@tempd\}
949 \eqcommand{@      }\{@tempe\}
950 \eqcommand{@      }\{@tempboxa\}
951 \eqcommand{@      }\{@tempcnta\}
952 \eqcommand{@      }\{@tempcntb\}
953 \eqcommand{@      }\{@tempdima\}
954 \eqcommand{@      }\{@tempdimb\}
955 \eqcommand{@      }\{@tempdimc\}
956 \eqcommand{@      }\{@tempskipa\}
957 \eqcommand{@      }\{@tempskipb\}
958 \eqcommand{@      }\{@tempswafalse\}
959 \eqcommand{@      }\{@tempswatruel\}

```



```

960 \eqcommand{@ }{@temptokena}
961 \eqcommand{ }{@thefnmark}
962 \eqcommand{@ }{@thirdofthree}
963 \eqcommand{ }{tabbingsep}
964 \eqcommand{ }{tabcolsep}
965 \eqcommand{ }{tableofcontents}
966 \eqcommand{ }{tablename}
967 \eqcommand{ }{tabskip}
968 \eqcommand{ }{tabularnewline}
969 \eqcommand{ }{tag}
970 \eqcommand{ }{telephone}
971 \eqcommand{ }{TeX}
972 \eqcommand{ }{text}
973 \eqcommand{ }{textbullet}
974 \eqcommand{ }{textfont}
975 \eqcommand{ }{textemdash}
976 \eqcommand{ }{textendash}
977 \eqcommand{ }{textexclamdown}
978 \eqcommand{ }{textperiodcentered}
979 \eqcommand{ }{textquestiondown}
980 \eqcommand{ }{textquotedblleft}
981 \eqcommand{ }{textquotedblright}
982 \eqcommand{ }{textquoteleft}
983 \eqcommand{ }{textquoteright}
984 \eqcommand{ }{textvisiblespace}
985 \eqcommand{ }{textbackslash}
986 \eqcommand{ }{textbar}
987 \eqcommand{ }{textgreater}
988 \eqcommand{ }{textless}
989 \eqcommand{ }{textbf}
990 \eqcommand{ }{textcircled}
991 \eqcommand{ }{textcolor}
992 \eqcommand{ }{textcompwordmark}
993 \eqcommand{ }{textfloatsep}
994 \eqcommand{ }{textfraction}
995 \eqcommand{ }{textheight}
996 \eqcommand{ }{textindent}
997 \eqcommand{ }{textit}
998 \eqcommand{ }{textmd}
999 \eqcommand{ }{textnormal}
1000 \eqcommand{ }{textregistered}
1001 \eqcommand{ }{textrm}
1002 \eqcommand{ }{textsc}
1003 \eqcommand{ }{textsf}
1004 \eqcommand{ }{textsl}
1005 \eqcommand{ }{textstyle}
1006 \eqcommand{ }{textsuperscript}
1007 \eqcommand{ }{texttrademark}
1008 \eqcommand{ }{texttt}
1009 \eqcommand{ }{textup}

```



```

1010 \eqcommand{    }{textwidth}
1011 \eqcommand{    }{thanks}
1012 \eqcommand{    }{the}
1013 \eqcommand{    }{thempfn}
1014 \eqcommand{    }{thicklines}
1015 \eqcommand{    }{thickmuskip}
1016 \eqcommand{    }{thinmuskip}
1017 \eqcommand{    }{thickspace}
1018 \eqcommand{    }{thinlines}
1019 \eqcommand{    }{thinspace}
1020 \eqcommand{    }{thisfancypage}
1021 \eqcommand{    }{thispagestyle}
1022 \eqcommand{ @}{thr@@}
1023 \eqcommand{ }{tilde}
1024 \eqcommand{ }{tiny}
1025 \eqcommand{ }{time}
1026 \eqcommand{ }{times}
1027 \eqcommand{ }{title}
1028 \eqcommand{ }{to}
1029 \eqcommand{ }{today}
1030 \eqcommand{ }{toks}
1031 \eqcommand{    }{toksdef}
1032 \eqcommand{    }{tolerance}
1033 \eqcommand{ }{top}
1034 \eqcommand{    }{topfigrule}
1035 \eqcommand{    }{topfraction}
1036 \eqcommand{    }{topmargin}
1037 \eqcommand{    }{topmark}
1038 \eqcommand{    }{toppageskip}
1039 \eqcommand{    }{topsep}
1040 \eqcommand{    }{topskip}
1041 \eqcommand{    }{totalheight}
1042 \eqcommand{    }{tracingall}
1043 \eqcommand{    }{tracingcommands}
1044 \eqcommand{    }{tracinglostchars}
1045 \eqcommand{    }{tracingmacros}
1046 \eqcommand{    }{tracingonline}
1047 \eqcommand{    }{tracingoutput}
1048 \eqcommand{    }{tracingpages}
1049 \eqcommand{    }{tracingparagraphs}
1050 \eqcommand{    }{tracingrestores}
1051 \eqcommand{    }{tracingstats}
1052 \eqcommand{ }{triangle}
1053 \eqcommand{    }{ttdefault}
1054 \eqcommand{    }{ttfamily}
1055 \eqcommand{ @}{tw@}
1056 \eqcommand{    }{twocolumn}
1057 \eqcommand{    }{typein}
1058 \eqcommand{    }{typeout}
1059 \eqcommand{    }{uccode}

```



```

1060 \eqcommand{      }\{uchyph}
1061 \eqcommand{      }\{underline}
1062 \eqcommand{      }\{unhbox}
1063 \eqcommand{      }\{unhcopy}
1064 \eqcommand{      }\{unitlength}
1065 \eqcommand{      }\{unkern}
1066 \eqcommand{      }\{unpenalty}
1067 \eqcommand{      }\{unskip}
1068 \eqcommand{      }\{unvbox}
1069 \eqcommand{      }\{unvcopy}
1070 \eqcommand{      }\{updefault}
1071 \eqcommand{      }\{upshape}
1072 \eqcommand{      }\{usebox}
1073 \eqcommand{      }\{usecounter}
1074 \eqcommand{      }\{usefont}
1075 \eqcommand{      }\{usepackage}
1076 \eqcommand{@      }\{@vobeyspaces}
1077 \eqcommand{@      }\{@void}
1078 \eqcommand{      }\{vadjust}
1079 \eqcommand{      }\{valign}
1080 \eqcommand{      }\{value}
1081 \eqcommand{      }\{vbadness}
1082 \eqcommand{      }\{vbox}
1083 \eqcommand{      }\{vcenter}
1084 \eqcommand{      }\{verb}
1085 \eqcommand{      }\{vfil}
1086 \eqcommand{      }\{vfill}
1087 \eqcommand{      }\{vfilneg}
1088 \eqcommand{      }\{vfuzz}
1089 \eqcommand{      }\{visible}
1090 \eqcommand{      }\{vline}
1091 \eqcommand{      }\{voffset}
1092 \eqcommand{      }\@{\voidb@x}
1093 \eqcommand{      }\{vpageref}
1094 \eqcommand{      }\{vrboxsep}
1095 \eqcommand{      }\{vref}
1096 \eqcommand{      }\{vrule}
1097 \eqcommand{      }\{vsize}
1098 \eqcommand{      }\{vskip}
1099 \eqcommand{      }\{vspace}
1100 \eqcommand{      }\{vsplit}
1101 \eqcommand{      }\{vss}
1102 \eqcommand{      }\{vtop}
1103 \eqcommand{      }\{wd}
1104 \eqcommand{      }\{whiledo}
1105 \eqcommand{      }\{widehat}
1106 \eqcommand{      }\{widetilde}
1107 \eqcommand{      }\{widowpenalty}
1108 \eqcommand{      }\{width}
1109 \eqcommand{      }\{wlog}

```



```

1110 \eqcommand{ }{write}
1111 \eqcommand{@ }{@xobeysp}
1112 \eqcommand{ @ }{@xxxii}
1113 \eqcommand{ }{xdef}
1114 \eqcommand{ }{xleaders}
1115 \eqcommand{ }{xspaceskip}
1116 \eqcommand{ }{year}
1117 \eqcommand{@ }{z@}
1118 \eqcommand{@ }{z@skip}

```

## 7.19 color-localise-xepersian.def

```

1119 color{ } \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1120 0}{rgb}{ } \0,,0}
1121 1}{rgb}{ } \1,,1}
1122 1}{rgb}{ } \0,,0}
1123 0}{rgb}{ } \1,,0}
1124 0}{rgb}{ } \0,,1}
1125 1}{cmyk}{ } \0,,0,0}
1126 0}{cmyk}{ } \1,,0,0}
1127 0}{cmyk}{ } \0,,1,0}

```

## 7.20 xepersian-localise-commands-xepersian.def

```

1128 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation]
1129 \eqcommand{ }{autofootnoterule}
1130 \eqcommand{ }{AutoMathsDigits}
1131 \eqcommand{ }{DefaultMathsDigits}
1132 \eqcommand{ @ }{keyval@eq@alias@key}
1133 \eqcommand{ }{deflatinfont}
1134 \eqcommand{ }{defpersianfont}
1135 \eqcommand{ }{hboxL}
1136 \eqcommand{ }{hboxR}
1137 \eqcommand{ }{Latincite}
1138 \eqcommand{ }{latinfont}
1139 \eqcommand{ }{latintoday}
1140 \eqcommand{ }{leftfootnoterule}
1141 \eqcommand{ }{lr}
1142 \eqcommand{ }{LRE}
1143 \eqcommand{ }{LTRdblcol}
1144 \eqcommand{ }{LTRfootnote}
1145 \eqcommand{ }{LTRfootnotetext}
1146 \eqcommand{ }{LTRthanks}
1147 \eqcommand{ }{persianday}
1148 \eqcommand{ }{persianfont}
1149 \eqcommand{ }{PersianMathsDigits}
1150 \eqcommand{ }{persianmonth}
1151 \eqcommand{ }{persianyear}
1152 \eqcommand{ }{plq}
1153 \eqcommand{ }{prq}
1154 \eqcommand{ }{rightfootnoterule}

```



```

1155 \eqcommand{      }\{rl\}
1156 \eqcommand{      }\{RLE\}
1157 \eqcommand{      }\{RTLdblcol\}
1158 \eqcommand{      }\{RTLfootnote\}
1159 \eqcommand{      }\{RTLfootnotetext\}
1160 \eqcommand{      }\{RTLthanks\}
1161 \eqcommand{@      }\{@SepMark\}
1162 \eqcommand{      }\{SepMark\}
1163 \eqcommand{      }\{setdefaultbibitems\}
1164 \eqcommand{      }\{setdefaultmarginpar\}
1165 \eqcommand{      }\{setmathdigitfont\}
1166 \eqcommand{      }\{setfootnoteLR\}
1167 \eqcommand{      }\{setfootnoteRL\}
1168 \eqcommand{      }\{setlatintextfont\}
1169 \eqcommand{      }\{setLTR\}
1170 \eqcommand{      }\{setLTRbibitems\}
1171 \eqcommand{      }\{setLTRmarginpar\}
1172 \eqcommand{      }\{setRTL\}
1173 \eqcommand{      }\{setRTLbibitems\}
1174 \eqcommand{      }\{setRTLmarginpar\}
1175 \eqcommand{      }\{settextfont\}
1176 \eqcommand{      }\{textwidthfootnoterule\}
1177 \eqcommand{      }\{twocolumnstableofcontents\}
1178 \eqcommand{      }\{unsetfootnoteRL\}
1179 \eqcommand{      }\{unsetLTR\}
1180 \eqcommand{      }\{unsetRTL\}
1181 \eqcommand{      }\{vboxL\}
1182 \eqcommand{      }\{vboxR\}
1183 \eqcommand{      }\{XeLaTeX\}
1184 \eqcommand{      }\{XePersian\}
1185 \eqcommand{      }\{xepersianversion\}
1186 \eqcommand{      }\{xepersiandate\}
1187 \eqcommand{      }\{XeTeX\}

```

## 7.21 enumerate-xepersian.def

```

1188 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1189 \def\@enloop@{
1190   \ifx entemp@ \def\@tempa{\@enLabel\harfi } \else
1191   \ifx entemp@ \def\@tempa{\@enLabel\adadi } \else
1192   \ifx entemp@ \def\@tempa{\@enLabel\tartibi } \else
1193   \ifx A\entemp \def\@tempa{\@enLabel\Alph } \else
1194   \ifx a\entemp \def\@tempa{\@enLabel\alph } \else
1195   \ifx i\entemp \def\@tempa{\@enLabel\roman } \else
1196   \ifx I\entemp \def\@tempa{\@enLabel\Roman } \else
1197   \ifx l\entemp \def\@tempa{\@enLabel\arabic} \else
1198   \ifx \sptoken\entemp \let\@tempa\@enSpace \else
1199   \ifx \bgroup\entemp \let\@tempa\@enGroup \else
1200   \ifx \enum@\entemp \let\@tempa\@gobble \else
1201   \let\@tempa\@enOther

```



```

1202                                     \@enhook
1203                                     \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1204 \@tempa}

```

## 7.22 enumitem-xepersian.def

```

1205 \ProvidesFile{enumitem-xepersian.def}[2017/09/06 v0.1 adaptations for enumitem package]
1206 \AddEnumerateCounter*\tartibi\@tartibi{999999999}
1207 \AddEnumerateCounter*\adadi\@adadi{999999999}
1208 \AddEnumerateCounter\harfi\@harfi{ }
1209 \AddEnumerateCounter\Abjad\@Abjad{ }
1210 \AddEnumerateCounter\abjad\@abjad{ }
1211 \SetEnumerateShortLabel{ }\@tartibi*}
1212 \SetEnumerateShortLabel{ }\@adadi*}
1213 \SetEnumerateShortLabel{ }\@harfi*}
1214 \SetEnumerateShortLabel{ }\@Abjad*}
1215 \SetEnumerateShortLabel{ }\@abjad*}

```

### 7.23 latex-localise-environments-xepersian.def

```

1216 \ProvidesFile{latex-localise-environments-xepersian.def}[2010/07/25 v0.2 Persian localisation
1217 \eqenvironment{ }{abstract}
1218 \eqenvironment{ }{appendix}
1219 \eqenvironment{ }{array}
1220 \eqenvironment{ }{center}
1221 \eqenvironment{ }{description}
1222 \eqenvironment{ }{displaymath}
1223 \eqenvironment{ }{document}
1224 \eqenvironment{ }{enumerate}
1225 \eqenvironment{ }{figure}
1226 \eqenvironment{ *}{figure*}
1227 \eqenvironment{ }{filecontents}
1228 \eqenvironment{ *}{filecontents*}
1229 \eqenvironment{ }{flushleft}
1230 \eqenvironment{ }{flushright}
1231 \eqenvironment{ }{itemize}
1232 \eqenvironment{ }{letter}
1233 \eqenvironment{ }{list}
1234 \eqenvironment{ }{longtable}
1235 \eqenvironment{ }{lrbox}
1236 \eqenvironment{ }{math}
1237 \eqenvironment{ }{matrix}
1238 \eqenvironment{ }{minipage}
1239 \eqenvironment{ }{multline}
1240 \eqenvironment{ }{note}
1241 \eqenvironment{ }{overlay}
1242 \eqenvironment{ }{picture}
1243 \eqenvironment{ }{quotation}
1244 \eqenvironment{ }{quote}
1245 \eqenvironment{ }{slide}
1246 \eqenvironment{ }{sloppypar}

```



```

1247 \eqenvironment{    }\{split}
1248 \eqenvironment{    }\{subarray}
1249 \eqenvironment{    }\{tabbing}
1250 \eqenvironment{    }\{table}
1251 \eqenvironment{    }\{*table*}
1252 \eqenvironment{    }\{tabular}
1253 \eqenvironment{    }\{*tabular*}
1254 \eqenvironment{    }\{thebibliography}
1255 \eqenvironment{    }\{theindex}
1256 \eqenvironment{    }\{titlepage}
1257 \eqenvironment{    }\{trivlist}
1258 \eqenvironment{    }\{verse}

```

## 7.24 xepersian-localise-environments-xepersian.def

```

1259 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisat
1260 \eqenvironment{    }\{latin}
1261 \eqenvironment{    }\{LTR}
1262 \eqenvironment{    }\{LTRitems}
1263 \eqenvironment{    }\{modernpoem}
1264 \eqenvironment{    }\{*modernpoem*}
1265 \eqenvironment{    }\{persian}
1266 \eqenvironment{    }\{RTL}
1267 \eqenvironment{    }\{RTLitems}
1268 \eqenvironment{    }\{traditionalpoem}
1269 \eqenvironment{    }\{*traditionalpoem*}

```

## 7.25 extarticle-xepersian.def

```

1270 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1271 \renewcommand\thepart      {\@tartibi\c@part}
1272 \renewcommand\appendix{\par
1273   \setcounter{section}{0}%
1274   \setcounter{subsection}{0}%
1275   \gdef\thesection{\@harfi\c@section}}

```

## 7.26 extbook-xepersian.def

```

1276 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1277 \renewcommand\frontmatter{%
1278   \cleardoublepage
1279   \@mainmatterfalse
1280   \pagenumbering{harfi}}
1281 \renewcommand \thepart {\@tartibi\c@part}
1282 \renewcommand\appendix{\par
1283   \setcounter{chapter}{0}%
1284   \setcounter{section}{0}%
1285   \gdef\@chapapp{\appendixname}%
1286   \gdef\thechapter{\@harfi\c@chapter}
1287 }%end appendix

```

## 7.27 extrafootnotefeatures-xepersian.def



```

1288 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafo
1289 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1290 \renewcommand{\LTRfoottextfont}{\footnotesize\resetlatinfont}
1291 \renewcommand{\RTLfoottextfont}{\footnotesize\setpersianfont}

```

## 7.28 extreport-xepersian.def

```

1292 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1293 \renewcommand\thepart {\@tartibi\c@part}
1294 \renewcommand\appendix{\par
1295 \setcounter{chapter}{0}%
1296 \setcounter{section}{0}%
1297 \gdef\@chapapp{\appendixname}%
1298 \gdef\thechapter{\@harfi\c@chapter}}

```

## 7.29 flowfram-xepersian.def

```

1299 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1300 \def\@outputpage{%
1301 \begingroup
1302 \let\protect\noexpand
1303 \@resetactivechars
1304 \global\let\@@if@newlist\if@newlist
1305 \global\@newlistfalse\@parboxrestore
1306 \shipout\vbox{\set@typeset@protect
1307 \aftergroup
1308 \endgroup
1309 \aftergroup
1310 \set@typeset@protect
1311 \reset@font\normalsize\normalsfcodes
1312 \let\label\@gobble
1313 \let\index\@gobble
1314 \let\glossary\@gobble
1315 \baselineskip\z@skip
1316 \lineskip\z@skip
1317 \lineskiplimit\z@
1318 \vskip\topmargin\moveright\@themargin
1319 \vbox{%
1320 \vskip\headheight
1321 \vskip\headsep
1322 \box\@outputbox
1323 }}%
1324 \global\let\if@newlist\@@if@newlist
1325 \stepcounter{page}%
1326 \setcounter{displayedframe}{0}%
1327 \let\firstmark\botmark}

```

## 7.30 footnote-xepersian.def

```

1328 \ProvidesFile{footnote-xepersian.def}[2017/08/09 v0.6 footnote macros for xepersian package]
1329
1330 \renewcommand*{\bidi@@footnotetext@font}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}

```



```

1331
1332 \renewcommand*{\bidi@LTRfootnotetext@font}{\footnotesize\resetlatinfont}
1333
1334 \renewcommand*{\bidi@RTLfootnotetext@font}{\footnotesize\setpersianfont}
1335

```

### 7.31 framed-xepersian.def

```

1336 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package]
1337 \renewenvironment{titled-frame}[1]{%
1338   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1339     \TitleBarFrame{\textbf{#1}}}%
1340   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1341     \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1342   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1343     \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} (\if@RTL
1344   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1345     \TitleBarFrame{\textbf{#1} (\if@RTL else\ cont\fi)}}}%
1346   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1347 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1348 % could interfere with the width measurement.
1349 {\endMakeFramed}

```

### 7.32 glossaries-xepersian.def

```

1350 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries package]
1351 \glsaddprotectedpagefmt{@harfi}
1352 \glsaddprotectedpagefmt{@tartibi}
1353 \glsaddprotectedpagefmt{@adadi}

```

### 7.33 hyperref-xepersian.def

```

1354 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package]
1355 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1356 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1357 \def\itemautorefname{\if@RTL else\ item\fi}%
1358 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1359 \def\tableautorefname{\if@RTL else\ Table\fi}%
1360 \def\partautorefname{\if@RTL else\ Part\fi}%
1361 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1362 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1363 \def\sectionautorefname{\if@RTL else\ section\fi}%
1364 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1365 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1366 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1367 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1368 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1369 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1370 \def\pageautorefname{\if@RTL else\ page\fi}%
1371 \AtBeginDocument{%
1372 \let\HyOrg@appendix\appendix
1373 \def\appendix{%

```



```

1374 \ltx@ifundefined{chapter}%
1375   {\gdef\theHsection{\Alph{section}}}%
1376   {\gdef\theHchapter{\Alph{chapter}}}%
1377 \xdef\Hy@chapapp{\Hy@appendixstring}%
1378 \HyOrg@appendix
1379 }
1380 }
1381 \pdfstringdefDisableCommands{%
1382 \let\lr\@firstofone
1383 \let\rl\@firstofone
1384 \def\XePersian{\XePersian}
1385 }
1386 \ltx@ifundefined{@resets@pp}{%
1387 }{%
1388 \let\HyOrg@resets@pp\@resets@pp
1389 \def\@resets@pp{%
1390 \ltx@ifundefined{chapter}{%
1391 \gdef\theHsection{\Hy@AlphNoErr{section}}%
1392 }{%
1393 \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1394 }%
1395 \xdef\Hy@chapapp{\Hy@appendixstring}%
1396 \HyOrg@resets@pp
1397 }%
1398 }

```

### 7.34 imspc-xepersian.def

```

1399 \ProvidesFile{imspc-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imspc class f
1400
1401 \renewcommand \thepart {\@tartibi\c@part}
1402 \def\appendix{\par\c@section\z@ \c@subsection\z@
1403 \let\sectionname\appendixname
1404 \def\thesection{\@harfi\c@section}}
1405

```

### 7.35 kashida-xepersian.def

```

1406 \ProvidesFile{kashida-xepersian.def}[2016/09/09 v0.5 implementation of Kashida for xepersian p
1407 \chardef\xepersian@zwj="200D % zero-width joiner
1408
1409 \chardef\xepersian@D=10 % dual-joiner class
1410 \chardef\xepersian@L=11 % lam
1411 \chardef\xepersian@R=12 % right-joiner
1412 \chardef\xepersian@A=13 % alef
1413 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1414 \newif@if@Kashida@on
1415 \def\xepersian@kashida{\if@Kashida@on\xepersian@zwj\nobreak%
1416 \leaders\hrule height \XeTeXglyphbounds\tw@ \the\XeTeXcharglyph"0640 depth \XeTeXglyphbou
1417
1418 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%

```



```

1419 \expandafter\dosetclass\charlist,\end}
1420 \def\dosetclass#1,#2\end{%
1421   \def\test{#1}\def\charlist{#2}%
1422   \ifx\test\empty\let\next\finishsetclass
1423   \else \XeTeXcharclass "\test = \theclass
1424     \let\next\dosetclass \fi
1425   \expandafter\next\charlist,,\end}
1426 \def\finishsetclass#1,,\end{}
1427
1428 \setclass \xepersian@A {0622,0623,0625,0627}
1429 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1430 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1431 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1432 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1433 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1434 \setclass \xepersian@L {0644}
1435 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1436
1437 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1438 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1439 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1440 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1441 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1442 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1443 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1444 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1445
1446 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1447 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1448 \KashidaOn

```

### 7.36 listings-xepersian.def

```

1449 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1450 \def\lstlistingname{\if@RTL else\   Listing\fi}
1451 \def\lstlistlistingname{\if@RTL   else\   Listings\fi}

```

### 7.37 loadingorder-xepersian.def

```

1452 \ProvidesFile{loadingorder-xepersian.def}[2017/09/06 v0.4 making sure that xepersian is the la
1453 \bidi@isloaded{algorithmic}
1454 \bidi@isloaded{algorithm}
1455 \bidi@isloaded{backref}
1456 \bidi@isloaded{enumerate}
1457 \bidi@isloaded{enumitem}
1458 \bidi@isloaded{tocloft}
1459 \bidi@isloaded{url}
1460 \AtBeginDocument{
1461   \if@bidi@algorithmicloaded\else
1462     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xe
1463   \fi%

```



```

1464 \if@bidi@algorithmloaded@else
1465     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1466 \fi%
1467 \if@bidi@backrefloaded@else
1468     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1469 \fi%
1470 \if@bidi@enumerateloaded@else
1471     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1472 \fi%
1473 \if@bidi@enumitemloaded@else
1474     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xepersian}{}]
1475 \fi%
1476 \if@bidi@tocloftloaded@else
1477     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1478 \fi%
1479 \if@bidi@urllloaded@else
1480     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1481 \fi%
1482 }

```

## 7.38 localise-xepersian.def

```

1483 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1484 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1485 \makezwnjletter
1486 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1487 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1488 \@ifpackageloaded{keyval}{%
1489 \newcommand*\keyval@eq@alias@key[4][KV]{%
1490     \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1491     \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1492 }{\@ifpackageloaded{xkeyval}{%
1493 \newcommand*\keyval@eq@alias@key[4][KV]{%
1494     \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1495     \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1496 }{}}
1497 \input{latex-localise-commands-xepersian.def}
1498 \input{xepersian-localise-commands-xepersian.def}
1499 \input{latex-localise-environments-xepersian.def}
1500 \input{xepersian-localise-environments-xepersian.def}
1501 \input{latex-localise-messages-xepersian.def}
1502 \input{latex-localise-misc-xepersian.def}
1503 \input{packages-localise-xepersian.def}
1504 \aliasfontfeature{ExternalLocation}{ }
1505 \aliasfontfeature{ExternalLocation}{ }
1506 \aliasfontfeature{Renderer}{ }
1507 \aliasfontfeature{BoldFont}{ }
1508 \aliasfontfeature{Language}{ }
1509 \aliasfontfeature{Script}{ }
1510 \aliasfontfeature{UprightFont}{ }

```



```

1511 \aliasfontfeature{ItalicFont}{      }
1512 \aliasfontfeature{BoldItalicFont}{  }
1513 \aliasfontfeature{SlantedFont}{      }
1514 \aliasfontfeature{BoldSlantedFont}{  }
1515 \aliasfontfeature{SmallCapsFont}{    }
1516 \aliasfontfeature{UprightFeatures}{  }
1517 \aliasfontfeature{BoldFeatures}{     }
1518 \aliasfontfeature{ItalicFeatures}{    }
1519 \aliasfontfeature{BoldItalicFeatures}{      }
1520 \aliasfontfeature{SlantedFeatures}{    }
1521 \aliasfontfeature{BoldSlantedFeatures}{      }
1522 \aliasfontfeature{SmallCapsFeatures}{      }
1523 \aliasfontfeature{SizeFeatures}{      }
1524 \aliasfontfeature{Scale}{            }
1525 \aliasfontfeature{WordSpace}{        }
1526 \aliasfontfeature{PunctuationSpace}{  }
1527 \aliasfontfeature{FontAdjustment}{    }
1528 \aliasfontfeature{LetterSpace}{       }
1529 \aliasfontfeature{HyphenChar}{        }
1530 \aliasfontfeature{Color}{            }
1531 \aliasfontfeature{Opacity}{           }
1532 \aliasfontfeature{Mapping}{           }
1533 \aliasfontfeature{Weight}{           }
1534 \aliasfontfeature{Width}{            }
1535 \aliasfontfeature{OpticalSize}{       }
1536 \aliasfontfeature{FakeSlant}{         }
1537 \aliasfontfeature{FakeStretch}{       }
1538 \aliasfontfeature{FakeBold}{         }
1539 \aliasfontfeature{AutoFakeSlant}{     }
1540 \aliasfontfeature{AutoFakeBold}{      }
1541 \aliasfontfeature{Ligatures}{         }
1542 \aliasfontfeature{Alternate}{         }
1543 \aliasfontfeature{Variant}{          }
1544 \aliasfontfeature{Variant}{          }
1545 \aliasfontfeature{CharacterVariant}{   }
1546 \aliasfontfeature{Style}{            }
1547 \aliasfontfeature{Annotation}{       }
1548 \aliasfontfeature{RawFeature}{       }
1549 \aliasfontfeature{CharacterWidth}{    }
1550 \aliasfontfeature{Numbers}{          }
1551 \aliasfontfeature{Contextuals}{       }
1552 \aliasfontfeature{Diacritics}{       }
1553 \aliasfontfeature{Letters}{          }
1554 \aliasfontfeature{Kerning}{          }
1555 \aliasfontfeature{VerticalPosition}{  }
1556 \aliasfontfeature{Fractions}{        }
1557 \aliasfontfeatureoption{Language}{Default}{  }
1558 \aliasfontfeatureoption{Language}{Parsi}{    }
1559 \aliasfontfeatureoption{Script}{Parsi}{      }
1560 \aliasfontfeatureoption{Script}{Latin}{      }

```



```

1561 \aliasfontfeatureoption{Style}{MathScript}{
1562 \aliasfontfeatureoption{Style}{MathScriptScript}{

```

### 7.39 memoir-xepersian.def

```

1563 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1564 \renewcommand{\@memfront}{%
1565   \smemfront\pagenumbering{harfi}}
1566 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1567 \renewcommand*{\thebook}{\@tartibi\c@book}
1568 \renewcommand*{\thepart}{\@tartibi\c@part}
1569 \renewcommand{\appendix}{\par
1570   \setcounter{chapter}{0}%
1571   \setcounter{section}{0}%
1572   \gdef\@chapapp{\appendixname}%
1573   \gdef\thechapter{\@harfi\c@chapter}%
1574   \anappendixtrue}

```

### 7.40 latex-localise-messages-xepersian.def

```

1575 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

### 7.41 minitoc-xepersian.def

```

1576 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1577 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1578 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1579 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1580 \def\mtctitle{\if@RTL else\ Contents\fi}%
1581 \def\mlftitle{\if@RTL else\ Figures\fi}%
1582 \def\mltttitle{\if@RTL else\ Tables\fi}%
1583 \def\stctitle{\if@RTL else\ Contents\fi}%
1584 \def\slftitle{\if@RTL else\ Figures\fi}%
1585 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

### 7.42 latex-localise-misc-xepersian.def

```

1586 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localis
1587 %}1# \ \
1588 \@ \ @ \ \
1589 \1# \
1590 \1# @\
1591 \1# @\
1592 {\@ \ \
1593 %}2#1# @\ \
1594 %1# \ @\ \ \ \ \
1595 \2# \ @\ \
1596 {{2#1# \}}
1597 undefined\ \ \
1598
1599 %{\ \ \ \ \1#} \ \} \1# \ \
1600 \ { \ \ \
1601 \ \ \

```



```

1602
1603
1604 \ \ \ \%} \#1
1605 \1#} \ \ \% \
1606 \ \ \
1607 }%
1608 \
1609 \ \ \
1610 }
1611 \= \ \
1612
1613
1614 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
1615 \def\@xfloat #1[#2]{%
1616 \@nocument
1617 \def \@captive {#1}%
1618 \def \@fps {#2}%
1619 \@onelevel@sanitize \@fps
1620 \def \reserved@a {!}%
1621 \ifx \reserved@a \@fps
1622 \@fpsadddefault
1623 \else
1624 \ifx \@fps \@empty
1625 \@fpsadddefault
1626 \fi
1627 \fi
1628 \ifhmode
1629 \@bsphack
1630 \@floatpenalty -\@Mii
1631 \else
1632 \@floatpenalty-\@Miii
1633 \fi
1634 \ifinner
1635 \@parmoderr\@floatpenalty\z@
1636 \else
1637 \@next\@currbox\@freelist
1638 {%
1639 \@tempcnta \sixt@@n
1640 \expandafter \@tfor \expandafter \reserved@a
1641 \expandafter :\expandafter =\@fps
1642 \do
1643 {%
1644 \if \reserved@a h%
1645 \ifodd \@tempcnta
1646 \else
1647 \advance \@tempcnta \@ne
1648 \fi
1649 \fi
1650 \if \reserved@a %
1651 \ifodd \@tempcnta

```



```

1652         \else
1653         \advance \@tempcnta \@ne
1654         \fi
1655     \fi
1656     \if \reserved@a t%
1657     \setfpsbit \tw@
1658     \fi
1659     \if \reserved@a %
1660     \setfpsbit \tw@
1661     \fi
1662     \if \reserved@a b%
1663     \setfpsbit 4%
1664     \fi
1665     \if \reserved@a %
1666     \setfpsbit 4%
1667     \fi
1668     \if \reserved@a p%
1669     \setfpsbit 8%
1670     \fi
1671     \if \reserved@a %
1672     \setfpsbit 8%
1673     \fi
1674     \if \reserved@a !%
1675     \ifnum \@tempcnta>15
1676     \advance\@tempcnta -\sixt@@n\relax
1677     \fi
1678     \fi
1679     }%
1680     \@tempcntb \csname ftype@\@capytype \endcsname
1681     \multiply \@tempcntb \@xxxii
1682     \advance \@tempcnta \@tempcntb
1683     \global \count\@currbox \@tempcnta
1684     }%
1685     \@fltovf
1686     \fi
1687     \global \setbox\@currbox
1688     \color@vbox
1689     \normalcolor
1690     \vbox \bgroup
1691     \hsize\columnwidth
1692     \@parboxrestore
1693     \@floatboxreset
1694 }
1695 \let\bm@ \bm@c
1696 \let\bm@ \bm@l
1697 \let\bm@ \bm@r
1698 \let\bm@ \bm@b
1699 \let\bm@ \bm@t
1700 \let\bm@ \bm@s
1701 \long\def\@iiiiparbox#1#2[#3]#4#5{%

```



```

1702 \leavevmode
1703 \@pboxswfalse
1704 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1705 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\
1706 \setlength\@tempdima{#4}%
1707 \@begin@tempboxa\ vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1708 \ifx\relax#2\else
1709 \setlength\@tempdimb{#2}%
1710 \edef\@parboxto{to\the\@tempdimb}%
1711 \fi
1712 \if#1b\ vbox
1713 \else\if#1 \ vbox
1714 \else\if #1t\ vtop
1715 \else\if vtop\ #1
1716 \else\ifmmode\ vcenter
1717 \else\@pboxswtrue $\ vcenter
1718 \fi\fi\fi\fi\fi
1719 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1720 \csname bm@#3\endcsname}%
1721 \if@pboxsw \m@th$\fi
1722 \@end@tempboxa}
1723 \def\@iiiminipage#1#2[#3]#4{%
1724 \leavevmode
1725 \@pboxswfalse
1726 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1727 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\els
1728 \setlength\@tempdima{#4}%
1729 \def\@mpargs{{#1}{#2}{#3}{#4}}%
1730 \setbox\@tempboxa\ vbox\bgroup
1731 \color@begingroup
1732 \hsize\@tempdima
1733 \textwidth\hsize \columnwidth\hsize
1734 \@parboxrestore
1735 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1736 \let\@footnotetext\@mpfootnotetext
1737 \let\@LTRfootnotetext\@mpLTRfootnotetext
1738 \let\@RTLfootnotetext\@mpRTLfootnotetext
1739 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1740 \@minipagerestore
1741 \@setminipage}
1742 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1743 \ifnum \@lastchclass=3 5 \else
1744 \z@ \if #1c\@chnum \z@ \else
1745 \if chnum@ #1 \z@ \else
1746 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1747 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1748 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1749 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1750 \@chclass \if #1|\@ne \else
1751 \if #1@\tw@ \else

```



```

1752             \if #1p3      \else
1753             \if 3 #1      \else           \z@ \@preamerr 0\fi
1754 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1755 \fi}%
1756 {}
1757 \ifdefinitionfileloaded{array-xetex-bidi}{%
1758 \def\@testpach{\@chclass
1759 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1760 \ifnum \@lastchclass=7 5 \else
1761 \ifnum \@lastchclass=8 \tw@ \else
1762 \ifnum \@lastchclass=9 \thr@@
1763 \else \z@
1764 \ifnum \@lastchclass = 10 \else
1765 \edef\@nextchar{\expandafter\string\@nextchar}%
1766 \@chnum
1767 \if \@nextchar c\z@ \else
1768 \if \@nextchar @z\ \else
1769 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1770 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1771 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1772 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
1773 \z@ \@chclass
1774 \if \@nextchar |\@ne \else
1775 \if \@nextchar !6 \else
1776 \if \@nextchar @7 \else
1777 \if \@nextchar <8 \else
1778 \if \@nextchar >9 \else
1779 10
1780 \@chnum
1781 \if \@nextchar m\thr@@\else
1782 \if \@nextchar thr@@\else\
1783 \if \@nextchar p4 \else
1784 \if \@nextchar 4 \else
1785 \if \@nextchar b5 \else
1786 \if \@nextchar 5 \else
1787 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi
1788 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1789 {}
1790 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
1791 \ifadl@usingarypkg
1792 \def\@testpach{\@chclass
1793 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1794 \ifnum \@lastchclass=7 5 \else
1795 \ifnum \@lastchclass=8 \tw@ \else
1796 \ifnum \@lastchclass=9 \thr@@
1797 \else \z@
1798 \ifnum \@lastchclass = 10 \else
1799 \edef\@nextchar{\expandafter\string\@nextchar}%
1800 \@chnum
1801 \if \@nextchar c\z@ \else

```



```

1802 \if \@nextchar @z\ \else
1803 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1804 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1805 \if \@nextchar \if@RTLtab l\else r\fi\@tw\ \else
1806 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
1807 \z@ \@chclass
1808 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1809 \if \@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1810 \if \@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1811 \if \@nextchar !6 \else
1812 \if \@nextchar @7 \else
1813 \if \@nextchar <8 \else
1814 \if \@nextchar >9 \else
1815 10
1816 \@chnum
1817 \if \@nextchar m\thr@@\else
1818 \if \@nextchar thr@@\else\
1819 \if \@nextchar p4 \else
1820 \if \@nextchar 4 \else
1821 \if \@nextchar b5 \else
1822 \if \@nextchar 5 \else
1823 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1824 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1825
1826 \def\@classz{\@classx
1827 \@tempcnta \count@
1828 \prepnext@tok
1829 \@addtopreamble{\ifcase \@chnum
1830 \hfil
1831 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1832 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1833 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1834 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1835 \adl@endmbox\or
1836 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1837 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1838 \fi}\prepnext@tok}
1839 \def\adl@class@start{4}
1840 \def\adl@class@iiiorvii{7}
1841
1842 \else
1843 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\@tw@ 4\relax \else
1844 \ifnum \@lastchclass=\@thr@@ 5\relax \else
1845 \z@ \if #1c\@chnum \z@ \else
1846 \if \@chnum\z@\ #1 \else
1847 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1848 \if \if@RTLtab#1\else#1\fi\@chnum \@ne \else
1849 \if \if@RTLtab#1l\else#1r\fi\@chnum \@tw@ \else
1850 \if \if@RTLtab#1\else#1\fi\@chnum \@tw@ \else
1851 \@chclass

```



```

1852          \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1853          \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1854          \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1855          \if #1@\tw@ \else
1856          \if #1p\thr@@ \else
1857          \if @\thr\ #1 \else\z@ \@preamerr 0\fi
1858      \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1859
1860 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1861          \or \or \@addamp \or
1862          \@acolampacol \or \@firststampfalse \@acol \fi
1863      \edef\@preamble{\@preamble
1864          \ifcase \@chnum
1865              \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1866              \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1867              \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1868 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1869          \or \or \@addamp \or
1870          \@acolampacol \or \@firststampfalse \@acol \fi
1871      \edef\@preamble{\@preamble
1872          \ifcase \@chnum
1873              \hfil\adl@putlrc{\@sharp\unskip}\hfil
1874              \or \adl@putlrc{\@sharp\unskip}\hfil
1875              \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1876 \def\adl@class@start{6}
1877 \def\adl@class@iiiorvii{3}
1878 \fi
1879 }{}
1880 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
1881 \def\@testpach{\@chclass
1882 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1883 \ifnum \@lastchclass=7 5 \else
1884 \ifnum \@lastchclass=8 \tw@ \else
1885 \ifnum \@lastchclass=9 \thr@@
1886 \else \z@
1887 \ifnum \@lastchclass = 10 \else
1888 \edef\@nextchar{\expandafter\string\@nextchar}%
1889 \@chnum
1890 \if \@nextchar c\z@ \else
1891 \if \@nextchar @z\ \else
1892 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1893 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1894 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1895 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
1896 \if \@nextchar C7 \else
1897 \if \@nextchar 7 \else
1898 \if \@nextchar L8 \else
1899 \if \@nextchar 8 \else
1900 \if \@nextchar R9 \else
1901 \if \@nextchar 9 \else

```



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```

1952 \ExplSyntaxOn
1953 \AtBeginDocument{\@namedef{      *}{\@verbatim \fontspec_print_visible_spaces: \@sx@xepersian
1954 \ExplSyntaxOff
1955 \expandafter\let\csname end      *\endcsname =\end

```

## 7.43 natbib-xepersian.def

```

1956 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
1957 \renewcommand\NAT@set@cites{%
1958   \ifNAT@numbers
1959     \ifNAT@super \let\@cite\NAT@citesuper
1960       \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
1961       \let\citeyearpar=\citeyear
1962       \let\NAT@space\relax
1963       \def\NAT@super@kern{\kern\p@}%
1964     \else
1965       \let\NAT@mbox=\mbox
1966       \let\@cite\NAT@citenum
1967       \let\NAT@space\NAT@spacechar
1968       \let\NAT@super@kern\relax
1969     \fi
1970     \let\@citex\NAT@citexnum
1971     \let\@Latincitex\NAT@Latin@citexnum
1972     \let\@biblabel\NAT@biblabelnum
1973     \let\@bibsetup\NAT@bibsetnum
1974     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
1975     \def\natexlab##1{%
1976       \def\NAT@penalty{\penalty\@m}%
1977     \else
1978       \let\@cite\NAT@cite
1979       \let\@citex\NAT@citex
1980       \let\@Latincitex\NAT@Latin@citex
1981       \let\@biblabel\NAT@biblabel
1982       \let\@bibsetup\NAT@bibsetup
1983       \let\NAT@space\NAT@spacechar
1984       \let\NAT@penalty\@empty
1985       \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
1986       \def\natexlab##1{##1}%
1987     \fi}
1988 \newcommand\NAT@Latin@citex{}
1989 \def\NAT@Latin@citex%
1990   [#1] [#2] #3{%
1991   \NAT@reset@parser
1992   \NAT@sort@cites{#3}%
1993   \NAT@reset@citea
1994   \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
1995     \@for\@citeb:=\NAT@cite@list\do
1996       {\@safe@activetrue
1997         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
1998         \@safe@activesfalse

```



```

1999 \ifundefined{b@%citeb%extra@b%citeb%}{\citea%
2000 {\reset@font\bfseries ?}\NAT@citeundefined
2001 \PackageWarning{natbib}%
2002 {Citation `\"@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2003 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2004 \NAT@parse{\@citeb}%
2005 \ifNAT@longnames\ifundefined{bv@%citeb%extra@b%citeb%}{%
2006 \let\NAT@name=\NAT@all@names
2007 \global\@namedef{bv@%citeb%extra@b%citeb%}{}}}%
2008 \fi
2009 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2010 \let\NAT@nm\NAT@name\fi
2011 \ifNAT@swa\ifcase\NAT@ctype
2012 \if\relax\NAT@date\relax
2013 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2014 \else
2015 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2016 \ifx\NAT@last@yr\NAT@year
2017 \def\NAT@temp{?}%
2018 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2019 {Multiple citation on page \thepage: same authors and
2020 year\MessageBreak without distinguishing extra
2021 letter,\MessageBreak appears as question mark}\fi
2022 \NAT@hyper@{\NAT@exlab}%
2023 \else\unskip\NAT@spacechar
2024 \NAT@hyper@{\NAT@date}%
2025 \fi
2026 \else
2027 \@citea\NAT@hyper@{%
2028 \NAT@nmfmt{\NAT@nm}%
2029 \hyper@natlinkbreak{%
2030 \NAT@aysep\NAT@spacechar}{\@citeb%extra@b%citeb
2031 }%
2032 \NAT@date
2033 }%
2034 \fi
2035 \fi
2036 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2037 \or\@citea\NAT@hyper@{\NAT@date}%
2038 \or\@citea\NAT@hyper@{\NAT@alias}%
2039 \fi \NAT@def@citea
2040 \else
2041 \ifcase\NAT@ctype
2042 \if\relax\NAT@date\relax
2043 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2044 \else
2045 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2046 \ifx\NAT@last@yr\NAT@year
2047 \def\NAT@temp{?}%
2048 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%

```



```

2049         {Multiple citation on page \thepage: same authors and
2050         year\MessageBreak without distinguishing extra
2051         letter,\MessageBreak appears as question mark}\fi
2052         \NAT@hyper@{\NAT@exlab}%
2053     \else
2054         \unskip\NAT@spacechar
2055         \NAT@hyper@{\NAT@date}%
2056     \fi
2057 \else
2058     \@citea\NAT@hyper@{%
2059         \NAT@nmfmt{\NAT@nm}%
2060         \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2061         {\@citeb\@extra@b@citeb}%
2062         \NAT@date
2063     }%
2064 \fi
2065 \fi
2066 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2067 \or\@citea\NAT@hyper@{\NAT@date}%
2068 \or\@citea\NAT@hyper@{\NAT@alias}%
2069 \fi
2070 \if\relax\NAT@date\relax
2071     \NAT@def@citea
2072 \else
2073     \NAT@def@citea@close
2074 \fi
2075 \fi
2076 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2077 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2078 \newcommand\NAT@Latin@citexnum{}
2079 \def\NAT@Latin@citexnum[#1][#2]#3{%
2080     \NAT@reset@parser
2081     \NAT@sort@cites{#3}%
2082     \NAT@reset@citea
2083     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2084         \@for\@citeb:=\NAT@cite@list\do
2085             {\@safe@activestrue
2086              \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2087              \@safe@activesfalse
2088              \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2089                  {\reset@font\bfseries?}
2090                  \NAT@citeundefined\PackageWarning{natbib}%
2091                  {Citation `'\@citeb' on page \thepage \space undefined}}%
2092              {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2093               \NAT@parse{\@citeb}%
2094               \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2095                   \let\NAT@name=\NAT@all@names
2096                   \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2097               \fi
2098               \ifNAT@full\let\NAT@nm\NAT@all@names\else

```



```

2099      \let\NAT@nm\NAT@name\fi
2100 \ifNAT@swa
2101   \@ifnum{\NAT@ctype>\@ne}{%
2102     \citea
2103     \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2104   }{%
2105     \@ifnum{\NAT@cmprs>\z@}{%
2106       \NAT@ifcat@num\NAT@num
2107       {\let\NAT@nm=\NAT@num}%
2108       {\def\NAT@nm{-2}}%
2109       \NAT@ifcat@num\NAT@last@num
2110       {\@tempcnta=\NAT@last@num\relax}%
2111       {\@tempcnta\m@ne}%
2112     \@ifnum{\NAT@nm=\@tempcnta}{%
2113       \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbox}%
2114     }{%
2115       \advance\@tempcnta by\@ne
2116       \@ifnum{\NAT@nm=\@tempcnta}{%
2117         \ifx\NAT@last@yr\relax
2118           \def\NAT@last@yr{\@citea}%
2119         \else
2120           \def\NAT@last@yr{--\NAT@penalty}%
2121         \fi
2122       }{%
2123         \NAT@last@yr@mbox
2124       }%
2125     }%
2126   }{%
2127     \@tempswatrue
2128     \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}}%
2129     \if@tempswa\NAT@citea@mbox\fi
2130   }%
2131 }%
2132 \NAT@def@citea
2133 \else
2134   \ifcase\NAT@ctype
2135     \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2136       \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2137     \fi
2138     \if*#1*\else#1\NAT@spacechar\fi
2139     \NAT@mbox{\NAT@hyper@{\@citenumfont{\NAT@num}}}%
2140     \NAT@def@citea@box
2141   \or
2142     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2143   \or
2144     \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2145   \or
2146     \NAT@hyper@citea@space\NAT@alias
2147   \fi
2148 \fi

```



```

2149 }%
2150 }%
2151 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2152 \ifNAT@swa\else
2153 \@ifnum{\NAT@ctype=\z@}{%
2154 \if*#2*\else\NAT@cmt#2\fi
2155 }{}%
2156 \NAT@mbox{\NAT@@close}%
2157 \fi
2158 }}{#1}{#2}%
2159 }%
2160 \AtBeginDocument{\NAT@set@cites}
2161 \DeclareRobustCommand\Latincite
2162 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2163 \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2164 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2165 \ifNAT@numbers\else
2166 \NAT@swafalse
2167 \fi
2168 \NAT@@Latin@@citetp[]}}
2169 \newcommand\NAT@@Latin@@citetp{}
2170 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

## 7.44 packages-localise-xepersian.def

```

2171 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2172 color} \}{color} @\-localise-xepersian.def}}{}
2173 \@ifpackageloaded{multicol}{%
2174 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2175 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2176 }{}
2177 \@ifpackageloaded{verbatim}{%
2178 \begingroup
2179 \vrb@catcodes
2180 \lccode`!=`\\ \lccode`\[=`{\ \lccode`\]=``}
2181 \catcode`\~=\active \lccode`\~=`\^M
2182 \lccode`\C=`\C
2183 \lowercase{\endgroup
2184 \def\xepersian@localize@verbatim@start#1{%
2185 \verbatim@startline
2186 \if\noexpand#1\noexpand~%
2187 \let\next\xepersian@localize@verbatim@
2188 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2189 \next}%
2190 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2191 \def\xepersian@localize@verbatim@@#1! {%
2192 \verbatim@addtoline{#1}%
2193 \futurelet\next\xepersian@localize@verbatim@@@}%
2194 \def\xepersian@localize@verbatim@@@#1\@nil{%
2195 \ifx\next\@nil

```



```

2196         \verbatim@processline
2197         \verbatim@startline
2198         \let\next\xepersian@localize@verbatim@
2199     \else
2200         \def\@tempa##1!   \@nil{##1}%
2201         \@temptokena{!   }%
2202         \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2203     \fi \next}%
2204 \def\xepersian@localize@verbatim@test#1{%
2205     \let\next\xepersian@localize@verbatim@test
2206     \if\noexpand#1\noexpand~%
2207         \expandafter\verbatim@addtoline
2208         \expandafter{\the\@temptokena}%
2209         \verbatim@processline
2210         \verbatim@startline
2211         \let\next\xepersian@localize@verbatim@
2212     \else \if\noexpand#1
2213         \@temptokena\expandafter{\the\@temptokena#1}%
2214     \else \if\noexpand#1\noexpand[%
2215         \let\@tempc\@empty
2216         \let\next\xepersian@localize@verbatim@testend
2217     \else
2218         \expandafter\verbatim@addtoline
2219         \expandafter{\the\@temptokena}%
2220         \def\next{\xepersian@localize@verbatim@#1}%
2221     \fi\fi\fi
2222     \next}%
2223 \def\xepersian@localize@verbatim@testend#1{%
2224     \if\noexpand#1\noexpand~%
2225         \expandafter\verbatim@addtoline
2226         \expandafter{\the\@temptokena[]}%
2227         \expandafter\verbatim@addtoline
2228         \expandafter{\@tempc}%
2229         \verbatim@processline
2230         \verbatim@startline
2231         \let\next\xepersian@localize@verbatim@
2232     \else\if\noexpand#1\noexpand[%
2233         \let\next\xepersian@localize@verbatim@@testend
2234     \else\if\noexpand#1\noexpand!%
2235         \expandafter\verbatim@addtoline
2236         \expandafter{\the\@temptokena[]}%
2237         \expandafter\verbatim@addtoline
2238         \expandafter{\@tempc}%
2239         \def\next{\xepersian@localize@verbatim@!}%
2240     \else \expandafter\def\expandafter\@tempc\expandafter
2241         {\@tempc#1}\fi\fi\fi
2242     \next}%
2243 \def\xepersian@localize@verbatim@@testend{%
2244     \ifx\@tempc\@currenvir
2245         \verbatim@finish

```



```

2246 \edef\next{\noexpand\end{\@currentvir}}%
2247 \noexpand\xepersian@localize@verbatim@rescan{\@currentvir}}%
2248 \else
2249 \expandafter\verbatim@addtoline
2250 \expandafter{\the\@temptokena[]}%
2251 \expandafter\verbatim@addtoline
2252 \expandafter{\@tempc[]}%
2253 \let\next\xepersian@localize@verbatim@
2254 \fi
2255 \next}%
2256 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2257 \@warning{Characters dropped after `\'string\end{#1}'}\fi}}%
2258 \def\
2259 {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2260 \xepersian@localize@verbatim@start}
2261 \@namedef{
2262 *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2263 \def\end
2264 {\endtrivlist\endgroup\@doendpe}
2265 \expandafter\let\csname end
2266 *\endcsname =\end
2267 }{}
2268 \ExplSyntaxOn
2269 \AtBeginDocument{
2270 \xepersian_localize_patch_verbatim:
2271 }
2272 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2273 \ifpackageloaded{verbatim}{
2274 \cs_set:cpn {*
2275 } }
2276 \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@st
2277 }
2278 }{
2279 }
2280 }
2281 \ExplSyntaxOff
2282 \ifpackageloaded{graphicx}{%
2283 \def\Gin@boolkey#1#2{%
2284 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2285 \expandafter\let\csname Gin@#2 \endcsname \expandafter\endcsname\csname Gin@#2true\endcsname}%
2286 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2287 \expandafter\let\csname Gin@#2 \endcsname \expandafter\endcsname\csname Gin@#2false\endcsname}%
2288 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2289 \define@key{Grot}{origin}[c]{%
2290 \@tfor\@tempa:=#1\do{%
2291 \if l\@tempa \Grot@x\z@ \else
2292 \if tempa@ \Grot@x\z@ \else
2293 \if r\@tempa \Grot@x\width \else
2294 \if tempa@ \Grot@x\width \else
2295 \if t\@tempa \Grot@y\height \else
2296 \if tempa@ \Grot@y\height \else
2297 \if b\@tempa \Grot@y-\depth \else
2298 \if tempa@ \Grot@y-\depth \else
2299 \if B\@tempa \Grot@y\z@ \else
2300 \if tempa@ \Grot@y\z@ \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}}

```



```

2296 {draft}{ }{Gin} @ \
2297 {origin}{ }{Gin} @ \
2298 {origin}{ }{Grot} @ \
2299 {clip}{ }{Gin} @ \
2300 {keepaspectratio}{ }{Gin} @ \
2301 {natwidth}{ }{Gin} @ \
2302 {natheight}{ }{Gin} @ \
2303 {bb}{ }{Gin} @ \
2304 {viewport}{ }{Gin} @ \
2305 {trim}{ }{Gin} @ \
2306 {angle}{ }{Gin} @ \
2307 {width}{ }{Gin} @ \
2308 {height}{ }{Gin} @ \
2309 {totalheight}{ }{Gin} @ \
2310 {scale}{ }{Gin} @ \
2311 {type}{ }{Gin} @ \
2312 {ext}{ }{Gin} @ \
2313 {read}{ }{Gin} @ \
2314 {command}{ }{Gin} @ \
2315 {x}{ }{Grot} @ \
2316 {y}{ }{Grot} @ \
2317 {units}{ }{Grot} @ \
2318 {}{}

```

## 7.45 parsidigits.map

```

2319 LHSName "Digits"
2320 RHSName "ParsiDigits"
2321
2322 pass(Unicode)
2323 U+0030 <> U+06F0 ;
2324 U+0031 <> U+06F1 ;
2325 U+0032 <> U+06F2 ;
2326 U+0033 <> U+06F3 ;
2327 U+0034 <> U+06F4 ;
2328 U+0035 <> U+06F5 ;
2329 U+0036 <> U+06F6 ;
2330 U+0037 <> U+06F7 ;
2331 U+0038 <> U+06F8 ;
2332 U+0039 <> U+06F9 ;
2333
2334
2335 U+002C <> U+060C ; comma > arabic comma
2336 U+003F <> U+061F ; question mark -> arabic qm
2337 U+003B <> U+061B ; semicolon -> arabic semicolon
2338
2339 ; ligatures from Knuth's original CMR fonts
2340 U+002D U+002D <> U+2013 ; -- -> en dash
2341 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2342

```



```

2343 U+0027 <> U+2019 ; ' -> right single quote
2344 U+0027 U+0027 <> U+201D ; '' -> right double quote
2345 U+0022 > U+201D ; " -> right double quote
2346
2347 U+0060 <> U+2018 ; ` -> left single quote
2348 U+0060 U+0060 <> U+201C ; `` -> left double quote
2349
2350 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2351 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2352
2353 ; additions supported in T1 encoding
2354 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2355 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2356 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

## 7.46 rapport1-xepersian.def

```

2357 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2358 \renewcommand*\thepart{\@tartibi\c@part}
2359 \renewcommand*\appendix{\par
2360   \setcounter{chapter}{0}%
2361   \setcounter{section}{0}%
2362   \gdef\@chapapp{\appendixname}%
2363   \gdef\thechapter{\@harfi\c@chapter}}

```

## 7.47 rapport3-xepersian.def

```

2364 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2365 \renewcommand*\thepart{\@tartibi\c@part}
2366 \renewcommand*\appendix{\par
2367   \setcounter{chapter}{0}%
2368   \setcounter{section}{0}%
2369   \gdef\@chapapp{\appendixname}%
2370   \gdef\thechapter{\@harfi\c@chapter}}

```

## 7.48 refrep-xepersian.def

```

2371 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2372 \renewcommand \thepart {\@tartibi\c@part}
2373 \renewcommand\appendix{\par
2374   \setcounter{chapter}{0}%
2375   \setcounter{section}{0}%
2376   \gdef\@chapapp{\appendixname}%
2377   \gdef\thechapter{\@harfi\c@chapter}
2378 }%end appendix

```

## 7.49 report-xepersian.def

```

2379 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2380 \renewcommand \thepart {\@tartibi\c@part}
2381 \renewcommand\appendix{\par
2382   \setcounter{chapter}{0}%
2383   \setcounter{section}{0}%

```



```

2384 \gdef\@chapapp{\appendixname}%
2385 \gdef\thechapter{\@harfi\c@chapter}
2386 }%end appendix

```

## 7.50 scrartcl-xepersian.def

```

2387 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2388 \renewcommand*{\thepart}{\@tartibi\c@part}
2389 \renewcommand*{\appendix}{\par%
2390   \setcounter{section}{0}%
2391   \setcounter{subsection}{0}%
2392   \gdef\thesection{\@harfi\c@section}%
2393   \csname appendixmore\endcsname
2394 }
2395 \renewcommand*{\@maybeautodot}[1]{%
2396   \ifx #1\@stop\let\@maybeautodot\relax
2397   \else
2398     \ifx #1\harfi \@autodottrue\fi
2399     \ifx #1\adadi \@autodottrue\fi
2400     \ifx #1\tartibi \@autodottrue\fi
2401     \ifx #1\Alph \@autodottrue\fi
2402     \ifx #1\alph \@autodottrue\fi
2403     \ifx #1\Roman \@autodottrue\fi
2404     \ifx #1\roman \@autodottrue\fi
2405     \ifx #1\@harfi \@autodottrue\fi
2406     \ifx #1\@adadi \@autodottrue\fi
2407     \ifx #1\@tartibi \@autodottrue\fi
2408     \ifx #1\@Alph \@autodottrue\fi
2409     \ifx #1\@alph \@autodottrue\fi
2410     \ifx #1\@Roman \@autodottrue\fi
2411     \ifx #1\@roman \@autodottrue\fi
2412     \ifx #1\romannumeral \@autodottrue\fi
2413   \fi
2414   \@maybeautodot
2415 }

```

## 7.51 scrbook-xepersian.def

```

2416 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2417 \renewcommand*{\frontmatter}{%
2418   \if@twoside\cleardoubleoddpage\else\clearpage\fi
2419   \@mainmatterfalse\pagenumbering{harfi}%
2420 }
2421 \renewcommand*{\thepart}{\@tartibi\c@part}
2422 \renewcommand*{\appendix}{\par%
2423   \setcounter{chapter}{0}%
2424   \setcounter{section}{0}%
2425   \gdef\@chapapp{\appendixname}%
2426   \gdef\thechapter{\@harfi\c@chapter}%
2427   \csname appendixmore\endcsname
2428 }

```



```

2429 \renewcommand*{\@@maybeautodot}[1]{%
2430   \ifx #1\@stop\let\@@maybeautodot\relax
2431   \else
2432     \ifx #1\harfi \@@autodottrue\fi
2433     \ifx #1\adadi \@@autodottrue\fi
2434     \ifx #1\tartibi \@@autodottrue\fi
2435     \ifx #1\Alph \@@autodottrue\fi
2436     \ifx #1\alph \@@autodottrue\fi
2437     \ifx #1\Roman \@@autodottrue\fi
2438     \ifx #1\roman \@@autodottrue\fi
2439     \ifx #1\@harfi \@@autodottrue\fi
2440     \ifx #1\@adadi \@@autodottrue\fi
2441     \ifx #1\@tartibi \@@autodottrue\fi
2442     \ifx #1\@Alph \@@autodottrue\fi
2443     \ifx #1\@alph \@@autodottrue\fi
2444     \ifx #1\@Roman \@@autodottrue\fi
2445     \ifx #1\@roman \@@autodottrue\fi
2446     \ifx #1\romannumeral \@@autodottrue\fi
2447   \fi
2448   \@@maybeautodot
2449 }

```

## 7.52 scrreprt-xepersian.def

```

2450 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2451 \renewcommand*{\thepart}{\@tartibi\c@part}
2452 \renewcommand*\appendix{\par%
2453   \setcounter{chapter}{0}%
2454   \setcounter{section}{0}%
2455   \gdef\@chapapp{\appendixname}%
2456   \gdef\thechapter{\@harfi\c@chapter}%
2457   \csname appendixmore\endcsname
2458 }
2459 \renewcommand*{\@@maybeautodot}[1]{%
2460   \ifx #1\@stop\let\@@maybeautodot\relax
2461   \else
2462     \ifx #1\harfi \@@autodottrue\fi
2463     \ifx #1\adadi \@@autodottrue\fi
2464     \ifx #1\tartibi \@@autodottrue\fi
2465     \ifx #1\Alph \@@autodottrue\fi
2466     \ifx #1\alph \@@autodottrue\fi
2467     \ifx #1\Roman \@@autodottrue\fi
2468     \ifx #1\roman \@@autodottrue\fi
2469     \ifx #1\@harfi \@@autodottrue\fi
2470     \ifx #1\@adadi \@@autodottrue\fi
2471     \ifx #1\@tartibi \@@autodottrue\fi
2472     \ifx #1\@Alph \@@autodottrue\fi
2473     \ifx #1\@alph \@@autodottrue\fi
2474     \ifx #1\@Roman \@@autodottrue\fi
2475     \ifx #1\@roman \@@autodottrue\fi

```



```

2476 \ifx #1\romannumeral \@autodottrue\fi
2477 \fi
2478 \@maybeautodot
2479 }

```

### 7.53 soul-xepersian.def

```

2480 \ProvidesFile{soul-xepersian.def}[2015/10/16 v0.1 adaptations for soul package]
2481 \let\SOUL@tt\relax
2482 \newfontface{\SOUL@tt}{Times New Roman}

```

### 7.54 tkz-linknodes-xepersian.def

```

2483 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes packa
2484 \renewcommand*{\@SetTab}{%
2485 \let\@alph\@latalph%
2486 \ifnum \value{C@NumTab}>25\relax%
2487 \setcounter{C@NumTab}{1}%
2488 \else%
2489 \stepcounter{C@NumTab}%
2490 \fi%
2491 \setcounter{C@NumGroup}{0}%
2492 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2493 \setboolean{B@FirstLink}{true}
2494 \setboolean{B@NewGroup}{false}
2495 \setcounter{C@NumGroup}{0}
2496 \setcounter{C@CurrentGroup}{0}
2497 \setcounter{NumC@Node}{0}
2498 \setcounter{NumC@stop}{0}
2499 \setcounter{C@NextNode}{0}
2500 \setcounter{C@CurrentStop}{0}
2501 \setcounter{C@CurrentNode}{0}
2502 }%

```

### 7.55 tocloft-xepersian.def

```

2503 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2504 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2505 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2506 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2507 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2508 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2509 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2510 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2511 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2512 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2513 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

### 7.56 xepersian.sty

```

2514 \NeedsTeXFormat{LaTeX2e}
2515 \def\xepersianversion{v20.2}
2516 \def\xepersiandate{2018/01/02}

```



```

2517 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2518 Persian typesetting in XeLaTeX]
2519 \RequirePackage{fontspec}
2520 \RequirePackage{xepersian-persiancal}
2521 \RequirePackage{xepersian-mathsdigitspec}
2522 \RequirePackage{bidi}
2523 \edef\xepersian@info{*****~J%
2524 * ~J%
2525 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2526 * ~J%
2527 * Description: The package supports Persian~J%
2528 * typesetting, using fonts provided in the~J%
2529 * distribution.~J%
2530 * ~J%
2531 * Copyright (c) 2008--2018 Vafa Khalighi~J%
2532 * ~J%
2533 * \xepersianversion, \xepersiandate~J%
2534 * ~J%
2535 * License: LaTeX Project Public License, version~J%
2536 * 1.3c or higher (your choice)~J%
2537 * ~J%
2538 * Location on CTAN: /macros/xetex/latex/xepersian~J%
2539 * ~J%
2540 * Issue tracker: https://github.com/tex-xet/xepersian/issues~J%
2541 * ~J%
2542 * Support: persian-tex@tug.org~J%
2543 * ~J%
2544 *****}
2545 \typeout{\xepersian@info}
2546 \edef\xepersian@everyjob{\the\everyjob}
2547 \everyjob{\xepersian@everyjob\typeout{\xepersian@info}}
2548 \edef\xepersian@strip@v\xepersianversion{\expandafter\@gobble\xepersianversion}
2549 \newcommand*{\IfxepersianPackageVersionLater}[1]{%
2550 \ifdim\xepersian@strip@v > #1 pt %
2551 \expandafter\@firstoftwo
2552 \else
2553 \expandafter\@secondoftwo
2554 \fi}
2555 \newcommand*{\IfxepersianPackageVersionBefore}[1]{%
2556 \ifdim\xepersian@strip@v < #1 pt %
2557 \expandafter\@firstoftwo
2558 \else
2559 \expandafter\@secondoftwo
2560 \fi}
2561 \newcommand*{\IfxepersianPackageVersion}[1]{%
2562 \ifdim\xepersian@strip@v = #1 pt %
2563 \expandafter\@firstoftwo
2564 \else
2565 \expandafter\@secondoftwo
2566 \fi}

```



```

2567 \def\prq{«}
2568 \def\plq{»}
2569 \def\xepersian@cmds@temp#1{%
2570   \begingroup\expandafter\expandafter\expandafter\endgroup
2571   \expandafter\ifx\csname xepersian@#1\endcsname\relax
2572     \begingroup
2573       \escapechar=-1 %
2574       \edef\x{\expandafter\meaning\csname#1\endcsname}%
2575       \def\y{#1}%
2576       \def\z##1->{%}%
2577       \edef\y{\expandafter\z\meaning\y}%
2578       \expandafter\endgroup
2579       \ifx\x\y
2580         \expandafter\def\csname xepersian@#1\expandafter\endcsname
2581         \expandafter{%
2582           \csname#1\endcsname
2583         }%
2584       \fi
2585     \fi
2586   }%
2587 \xepersian@cmds@temp{shellescape}
2588 \newif\ifwritexviii
2589 \ifnum\xepersian@shellescape=1\relax
2590   \writexviiitrue
2591 \else
2592   \writexviiifalse
2593 \fi
2594 \newfontscript{Parsi}{arab}
2595 \newfontlanguage{Parsi}{FAR}
2596 \ExplSyntaxOn
2597
2598 \DeclareDocumentCommand \settextfont { 0 } m 0 { }
2599 {
2600   \__xepersian_main_settextfont:nnn {#1} {#2} {#3}
2601 }
2602 \cs_set:Nn \__xepersian_main_settextfont:nnn
2603 {
2604   \fontspec_set_family:Nnn \g__xepersian_persianfont_family {Script=Parsi,Language=Parsi,Mapping=
2605   \tl_set_eq:NN \rmdefault \g__xepersian_persianfont_family
2606   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
2607     {
2608       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2609       \exp_not:N \fontfamily { \g__xepersian_persianfont_family }
2610       \exp_not:N \selectfont
2611     }
2612   }
2613   \str_if_eq:x:nnT {\familydefault} {\rmdefault}
2614   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2615   \normalfont
2616   \ignorespaces

```



```

2617 }
2618
2619 \DeclareDocumentCommand \settextdigitfont { 0{ } m 0{ } }
2620 {
2621   \_xepersian_main_settextdigitfont:nnn {#1} {#2} {#3}
2622 }
2623 \cs_set:Nn \_xepersian_main_settextdigitfont:nnn
2624 {
2625   \fontspec_set_family:Nnn \g__xepersian_textdigitfont_family {Mapping=parsidigits,#1,#3} {#2}
2626   \use:x
2627   {
2628     \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
2629     {
2630       \exp_not:N \fontfamily { \g__xepersian_textdigitfont_family }
2631       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2632       \exp_not:N \selectfont
2633     }
2634   }
2635   \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2636   \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
2637   \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2638   \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
2639   \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\DigitsDotDashInterC}
2640   \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterC}
2641   \if@bidi@csundef{xepersian@D}{\%
2642     \XeTeXinterchartoks \xepersian@D \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2643     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@D = {\xepersian@@stop@switch@textdigitfont}
2644     \XeTeXinterchartoks \xepersian@L \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2645     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@L = {\xepersian@@stop@switch@textdigitfont}
2646     \XeTeXinterchartoks \xepersian@A \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2647     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@A = {\xepersian@@stop@switch@textdigitfont}
2648     \XeTeXinterchartoks \xepersian@R \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2649     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@R = {\xepersian@@stop@switch@textdigitfont}
2650   }
2651   \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin\else\if@nonlatin\fi\fi}
2652   \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin\else\if@nonlatin\fi\fi}
2653 }
2654
2655 \DeclareDocumentCommand \setdigitfont { 0{ } m 0{ } }
2656 {
2657   \_xepersian_main_settextdigitfont:nnn {#1} {#2} {#3}
2658   \_xepersian_main_setmathdigitfont:nnn {#1} {#2} {#3}
2659 }
2660
2661
2662 \DeclareDocumentCommand \setlatintextfont { 0{ } m 0{ } }
2663 {
2664   \_xepersian_main_setlatintextfont:nnn {#1} {#2} {#3}
2665 }
2666 \cs_set:Nn \_xepersian_main_setlatintextfont:nnn

```



```

2667 {
2668   \fontspec_set_family:Nnn \g__xepersian_latinfont_family {Mapping=tex-text,#1,#3} {#2}
2669   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
2670     {
2671       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2672       \exp_not:N \fontfamily { \g__xepersian_latinfont_family }
2673       \exp_not:N \selectfont
2674     }
2675   }
2676   \str_if_eq:x:nnT {\familydefault} {\rmdefault}
2677   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2678   \normalfont
2679   \ignorespaces
2680 }
2681
2682 \tl_set_eq:NN \setlatinsansfont \setsansfont
2683 \tl_set_eq:NN \setlatinmonofont \setmonofont
2684
2685 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
2686 {
2687   \__xepersian_main_defpersianfont:nnnn {#1} {#2} {#3} {#4}
2688 }
2689 \cs_set:Nn \__xepersian_main_defpersianfont:nnnn
2690 {
2691   \fontspec_set_family:cnn { g__xepersian_ \cs_to_str:N #1 _family } {Script=Parsi,Language=Pa
2692   \use:x
2693   {
2694     \exp_not:N \DeclareRobustCommand \exp_not:N #1
2695     {
2696       \exp_not:N \fontfamily { \use:c {g__xepersian_ \cs_to_str:N #1 _family} }
2697       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2698       \exp_not:N \selectfont
2699     }
2700   }
2701 }
2702
2703 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
2704 {
2705   \__xepersian_main_deflatinfont:nnnn {#1} {#2} {#3} {#4}
2706 }
2707 \cs_set:Nn \__xepersian_main_deflatinfont:nnnn
2708 {
2709   \fontspec_set_family:cnn { g__xepersian_ \cs_to_str:N #1 _family } {Mapping=tex-text,#2,#4}
2710   \use:x
2711   {
2712     \exp_not:N \DeclareRobustCommand \exp_not:N #1
2713     {
2714       \exp_not:N \fontfamily { \use:c {g__xepersian_ \cs_to_str:N #1 _family} }
2715       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2716       \exp_not:N \selectfont

```



```

2717     }
2718   }
2719 }
2720
2721 \newcommand\persiansfdefault{}
2722 \newcommand\persianttdefault{}
2723 \newcommand\iranicsfdefault{}
2724 \newcommand\navarsfdefault{}
2725 \newcommand\pooksfdefault{}
2726 \newcommand\sayehsfdefault{}
2727 \DeclareRobustCommand\persiansffamily
2728     {\not@math@alphabet\persiansffamily\mathpersiansf
2729      \fontfamily\persiansfdefault\selectfont}
2730 \DeclareRobustCommand\persianttfamily
2731     {\not@math@alphabet\persianttfamily\mathpersiantt
2732      \fontfamily\persianttdefault\selectfont}
2733 \DeclareRobustCommand\iranicsffamily
2734     {\not@math@alphabet\iranicsffamily\mathiranicsf
2735      \fontfamily\iranicsfdefault\selectfont}
2736 \DeclareRobustCommand\navarsffamily
2737     {\not@math@alphabet\navarsffamily\mathnavarsf
2738      \fontfamily\navarsfdefault\selectfont}
2739 \DeclareRobustCommand\pooksffamily
2740     {\not@math@alphabet\pooksffamily\mathpooksf
2741      \fontfamily\pooksfdefault\selectfont}
2742 \DeclareRobustCommand\sayehsfamily
2743     {\not@math@alphabet\sayehsfamily\mathsayehsf
2744      \fontfamily\sayehsfdefault\selectfont}
2745 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
2746 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
2747 \DeclareTextFontCommand{\textiranicsf}{\iranicsffamily}
2748 \DeclareTextFontCommand{\textnavarsf}{\navarsffamily}
2749 \DeclareTextFontCommand{\textpooksf}{\pooksffamily}
2750 \DeclareTextFontCommand{\textsayehsf}{\sayehsfamily}
2751
2752 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
2753 {
2754     \_xepersian_main_setpersiansansfont:nnn {#1} {#2} {#3}
2755 }
2756 \cs_set:Nn \_xepersian_main_setpersiansansfont:nnn
2757 {
2758     \fontspec_set_family:Nnn \g__xepersian_persiansffamily_family {Script=Parsi,Language=Parsi,M
2759     \tl_set_eq:NN \persiansfdefault \g__xepersian_persiansffamily_family
2760     \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
2761     {
2762         \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2763         \exp_not:N \fontfamily { \g__xepersian_persiansffamily_family }
2764         \exp_not:N \selectfont
2765     }
2766 }

```



```

2767 \str_if_eq_x:nnT {\familydefault} {\persiansfdefault}
2768 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2769 \normalfont
2770 \ignorespaces
2771 }
2772
2773 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
2774 {
2775   \__xepersian_main_setpersianmonofont:nnn {#1} {#2} {#3}
2776 }
2777 \cs_set:Nn \__xepersian_main_setpersianmonofont:nnn
2778 {
2779   \fontspec_set_family:Nnn \g__xepersian_persianttfamily_family {Script=Parsi,Language=Parsi,Mappi
2780   \tl_set_eq:NN \persianttdefault \g__xepersian_persianttfamily_family
2781   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
2782     {
2783       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2784       \exp_not:N \fontfamily { \g__xepersian_persianttfamily_family }
2785       \exp_not:N \selectfont
2786     }
2787   }
2788   \str_if_eq_x:nnT {\familydefault} {\persianttdefault}
2789   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2790   \normalfont
2791   \ignorespaces
2792 }
2793
2794 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
2795 {
2796   \__xepersian_main_setnavarfont:nnn {#1} {#2} {#3}
2797 }
2798 \cs_set:Nn \__xepersian_main_setnavarfont:nnn
2799 {
2800   \fontspec_set_family:Nnn \g__xepersian_navarfamilly_family {Script=Parsi,Language=Parsi,Mappi
2801   \tl_set_eq:NN \navardefault \g__xepersian_navarfamilly_family
2802   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
2803     {
2804       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2805       \exp_not:N \fontfamily { \g__xepersian_navarfamilly_family }
2806       \exp_not:N \selectfont
2807     }
2808   }
2809   \str_if_eq_x:nnT {\familydefault} {\navardefault}
2810   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2811   \normalfont
2812   \ignorespaces
2813 }
2814
2815 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
2816 {

```



```

2817 \_xepersian_main_setpookfont:nnn {#1} {#2} {#3}
2818 }
2819 \cs_set:Nn \_xepersian_main_setpookfont:nnn
2820 {
2821 \fontspec_set_family:Nnn \g__xepersian_pookfamily_family {Script=Parsi,Language=Parsi,Mapping=
2822 \tl_set_eq:NN \pookdefault \g__xepersian_pookfamily_family
2823 \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
2824 {
2825 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2826 \exp_not:N \fontfamily { \g__xepersian_pookfamily_family }
2827 \exp_not:N \selectfont
2828 }
2829 }
2830 \str_if_eq_x:nnT {\familydefault} {\pookdefault}
2831 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2832 \normalfont
2833 \ignorespaces
2834 }
2835
2836 \DeclareDocumentCommand \setsayehfont { 0{ } m 0{ } }
2837 {
2838 \_xepersian_main_setsayehfont:nnn {#1} {#2} {#3}
2839 }
2840 \cs_set:Nn \_xepersian_main_setsayehfont:nnn
2841 {
2842 \fontspec_set_family:Nnn \g__xepersian_sayehfamily_family {Script=Parsi,Language=Parsi,Mapping=
2843 \tl_set_eq:NN \sayehdefault \g__xepersian_sayehfamily_family
2844 \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
2845 {
2846 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2847 \exp_not:N \fontfamily { \g__xepersian_sayehfamily_family }
2848 \exp_not:N \selectfont
2849 }
2850 }
2851 \str_if_eq_x:nnT {\familydefault} {\sayehdefault}
2852 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2853 \normalfont
2854 \ignorespaces
2855 }
2856
2857 \DeclareDocumentCommand \setiraniconfont { 0{ } m 0{ } }
2858 {
2859 \_xepersian_main_setiraniconfont:nnn {#1} {#2} {#3}
2860 }
2861 \cs_set:Nn \_xepersian_main_setiraniconfont:nnn
2862 {
2863 \fontspec_set_family:Nnn \g__xepersian_iranicfamily_family {Script=Parsi,Language=Parsi,Mapping=
2864 \tl_set_eq:NN \iranicdefault \g__xepersian_iranicfamily_family
2865 \use:x { \exp_not:n { \DeclareRobustCommand \iranicfamily }
2866 {

```



```

2867 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2868 \exp_not:N \fontfamily { \g__xepersian_iranicrobfamily_family }
2869 \exp_not:N \selectfont
2870 }
2871 }
2872 \str_if_eq_x:nnT {\familydefault} {\iranicrobdefault}
2873 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2874 \normalfont
2875 \ignorespaces
2876 }
2877
2878
2879 \ExplSyntaxOff
2880 \def\resetlatinfont{%
2881 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
2882 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
2883 \def\xepersian@@fontsize@scale{%
2884 \strip@pt\dimexpr 1pt * \dimexpr
2885 \xepersian@@latin@fontsize@scale pt\relax
2886 / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
2887 }%
2888 \def\xepersian@@baselineskip@scale{%
2889 \strip@pt\dimexpr 1pt * \dimexpr
2890 \xepersian@@latin@baselineskip@scale pt\relax
2891 / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
2892 }%
2893 \@nonlatinfalse%
2894 \let\normalfont\latinfont%
2895 \let\reset@font\normalfont%
2896 \latinfont%
2897 \fontsize\fontsize\font@baselineskip%
2898 \selectfont%
2899 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
2900 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
2901 }
2902 \def\setpersianfont{%
2903 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
2904 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
2905 \let\xepersian@@fontsize@scale\@ne%
2906 \let\xepersian@@baselineskip@scale\@ne%
2907 \@nonlatintrue%
2908 \let\normalfont\persianfont%
2909 \let\reset@font\normalfont%
2910 \persianfont%
2911 \fontsize\fontsize\font@baselineskip%
2912 \selectfont%
2913 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
2914 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
2915 }
2916 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}

```



```

2917 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
2918 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
2919 \def\endlatin{\endLTR}
2920 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
2921 \def\endpersian{\endRTL}
2922 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end}
2923 \newenvironment{parsiiitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end}
2924 \let\originaltoday=\today
2925 \def\latintoday{\lr{\originaltoday}}
2926 \def\today{\rl{\persiantoday}}
2927 \def \@LTRmarginparreset {%
2928     \reset@font
2929     \resetlatinfont
2930     \normalsize
2931     \@minipagetrue
2932     \everypar{\@minipagefalse\everypar{}\beginL}%
2933 }
2934 \DeclareRobustCommand\Latincite{%
2935     \@ifnextchar [{\@tempswatrue\@Latincitex}{\@tempswafalse\@Latincitex[]}]
2936 \def\@Latincitex[#1]#2{\leavevmode
2937     \let\@citea\@empty
2938     \@cite{\lr{\@for\@citeb:=#2\do
2939         {\@citea\def\@citea{,\penalty\@m\ }%
2940         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2941         \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
2942         \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}%
2943             \G@refundefinedtrue
2944             \@latex@warning
2945             {Citation `'\@citeb' on page \thepage \space undefined}}%
2946         {\@cite@ofmt{\csname b@\@citeb\endcsname}}}\@citeb}}{\#1}}
2947
2948 \renewcommand*{\bidi@font@@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
2949
2950 \newif\if@xepersian@@computeautoilg
2951 \newcount\xepersian@tcl
2952 \newdimen\xepersian@ilg
2953 \newdimen\xepersian@strutilg
2954 \chardef\fontur=4
2955 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
2956     \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
2957     \loop
2958     \iffontchar\font\xepersian@tcl
2959     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\z@
2960     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
2961         \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
2962     \fi
2963     \else
2964     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
2965     \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
2966         \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl

```



```

2967 \fi
2968 \fi
2969 \fi
2970 \ifdim\XeTeXglyphbounds\fontur \the\XeTeXcharglyph\xepersian@tcl>\z@
2971 \ifdim\XeTeXglyphbounds\fontur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
2972 \xepersian@strutilg=\XeTeXglyphbounds\fontur \the\XeTeXcharglyph\xepersian@tcl
2973 \fi
2974 \else
2975 \ifdim\XeTeXglyphbounds\fontur \the\XeTeXcharglyph\xepersian@tcl<\z@
2976 \ifdim-\XeTeXglyphbounds\fontur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
2977 \xepersian@strutilg=-\XeTeXglyphbounds\fontur \the\XeTeXcharglyph\xepersian@tcl
2978 \fi
2979 \fi
2980 \fi
2981 \fi
2982 \advance\xepersian@tcl\@ne
2983 \ifnum\xepersian@tcl<1792\repeat
2984 \advance\xepersian@strutilg\xepersian@ilg
2985 % \ifdim\xepersian@strutilg>\baselineskip
2986 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
2987 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
2988 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
2989 % \selectfont
2990 % \fi
2991 }
2992
2993 \newif\if@@textdigitfont@on
2994
2995 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
2996 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
2997
2998 \TextDigitFontOn
2999
3000 \newcommand*\xepersian@setlength[4]{%
3001 \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3002 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3003 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3004 \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3005 \else
3006 \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3007 \fi
3008 \else
3009 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3010 \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3011 \else
3012 \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3013 \fi
3014 \fi
3015 \else
3016 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi

```



```

3017 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3018 \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3019 \else
3020 \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3021 \fi
3022 \else
3023 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3024 \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3025 \else
3026 \setlength{#1}{#2 \@plus#3 \@minus#4}%
3027 \fi
3028 \fi
3029 \fi
3030 }
3031
3032 \newcommand*{\setfontsize}[2][1.2\@tempdima]{%
3033 \@defaultunits\@tempdima#2pt\relax\@nnil
3034 \setlength{\@tempdimc}{\@tempdima}%
3035 \addtolength{\@tempdimc}{-10\p@}%
3036 \edef\@ptsize{\strip@pt\@tempdimc}%
3037 \@defaultunits\@tempdimb#1pt\relax\@nnil
3038 \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3039 \edef\@tempb{\the\@tempdimc}%
3040 \setlength{\@tempdimc}{\@tempdima}%
3041 \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3042 \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3043 \xepersian@setlength{\abovedisplayskip}%
3044 { .8333\@tempdimb}{ .1667\@tempdimb}{ .5\@tempdimb}%
3045 \xepersian@setlength{\abovedisplayshortskip}{\z@}{ .25\@tempdimb}{\z@}%
3046 \xepersian@setlength{\belowdisplayshortskip}%
3047 { .5\@tempdimb}{ .25\@tempdimb}{ .25\@tempdimb}%
3048 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3049 \edef\normalsize{%
3050 \noexpand\setfontsize\noexpand\normalsize
3051 {\the\@tempdima}{\the\@tempdimb}%
3052 \abovedisplayskip \the\abovedisplayskip
3053 \abovedisplayshortskip \the\abovedisplayshortskip
3054 \belowdisplayskip \the\belowdisplayskip
3055 \belowdisplayshortskip \the\belowdisplayshortskip
3056 \let\noexpand\@listi\noexpand\@listI
3057 }%
3058 \setlength{\@tempdima}{0.9125\@tempdimc}%
3059 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3060 \xepersian@setlength{\abovedisplayskip}%
3061 { .8333\@tempdimb}{ .1667\@tempdimb}{ .5\@tempdimb}%
3062 \xepersian@setlength{\abovedisplayshortskip}{\z@}{ .25\@tempdimb}{\z@}%
3063 \xepersian@setlength{\belowdisplayshortskip}%
3064 { .5\@tempdimb}{ .25\@tempdimb}{ .25\@tempdimb}%
3065 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3066 \edef\small{%

```



```

3067 \noexpand\@setfontsize\noexpand\small
3068 {\the\@tempdima}{\the\@tempdimb}%
3069 \abovedisplayskip \the\abovedisplayskip
3070 \abovedisplayshortskip \the\abovedisplayshortskip
3071 \belowdisplayskip \the\belowdisplayskip
3072 \belowdisplayshortskip \the\belowdisplayshortskip
3073 \let\noexpand\@listi\noexpand\@listi@small
3074 }%
3075 \setlength{\@tempdima}{.83334\@tempdimc}%
3076 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3077 \xepersian@setlength{\abovedisplayskip}%
3078 { .8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3079 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3080 \xepersian@setlength{\belowdisplayshortskip}%
3081 { .5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3082 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3083 \edef\footnotesize{%
3084 \noexpand\@setfontsize\noexpand\footnotesize
3085 {\the\@tempdima}{\the\@tempdimb}%
3086 \abovedisplayskip \the\abovedisplayskip
3087 \abovedisplayshortskip \the\abovedisplayshortskip
3088 \belowdisplayskip \the\belowdisplayskip
3089 \belowdisplayshortskip \the\belowdisplayshortskip
3090 \let\noexpand\@listi\noexpand\@listi@footnotesize
3091 }%
3092 \setlength{\@tempdima}{.66667\@tempdimc}%
3093 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3094 \edef\scriptsize{%
3095 \noexpand\@setfontsize\noexpand\scriptsize
3096 {\the\@tempdima}{\the\@tempdimb}%
3097 }%
3098 \setlength{\@tempdima}{.5\@tempdimc}%
3099 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3100 \edef\tiny{%
3101 \noexpand\@setfontsize\noexpand\tiny
3102 {\the\@tempdima}{\the\@tempdimb}%
3103 }%
3104 \setlength{\@tempdima}{1.2\@tempdimc}%
3105 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3106 \edef\large{%
3107 \noexpand\@setfontsize\noexpand\large
3108 {\the\@tempdima}{\the\@tempdimb}%
3109 }%
3110 \setlength{\@tempdima}{1.44\@tempdimc}%
3111 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3112 \edef\Large{%
3113 \noexpand\@setfontsize\noexpand\Large
3114 {\the\@tempdima}{\the\@tempdimb}%
3115 }%
3116 \setlength{\@tempdima}{1.728\@tempdimc}%

```



```

3117 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3118 \edef\LARGE{%
3119     \noexpand\setfontsize\noexpand\LARGE
3120     {\the\@tempdima}{\the\@tempdimb}%
3121 }%
3122 \setlength{\@tempdima}{2.074\@tempdimc}%
3123 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3124 \edef\huge{%
3125     \noexpand\setfontsize\noexpand\huge
3126     {\the\@tempdima}{\the\@tempdimb}%
3127 }%
3128 \setlength{\@tempdima}{2.488\@tempdimc}%
3129 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3130 \edef\Huge{%
3131     \noexpand\setfontsize\noexpand\Huge
3132     {\the\@tempdima}{\the\@tempdimb}%
3133 }%
3134 \normalsize
3135 \setlength{\@tempdimb}{\f@baselineskip}%
3136 \xepersian@setlength{\parsep}%
3137     {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3138 \xepersian@setlength{\topsep}%
3139     {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3140 \@tempswafalse
3141 \begingroup
3142     \def\@list@extra{\aftergroup\@tempswatrue}%
3143     \csname @listi\endcsname
3144 \endgroup
3145 \edef\@listi{\leftmargin\leftmargini
3146     \topsep \the\topsep
3147     \parsep \the\parsep
3148     \itemsep \parsep
3149     \if@tempswa\noexpand\@list@extra\fi
3150 }%
3151 \let\@listI\@listi
3152 \xepersian@setlength{\parsep}%
3153     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3154 \xepersian@setlength{\topsep}%
3155     {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3156 \@tempswafalse
3157 \begingroup
3158     \def\@list@extra{\aftergroup\@tempswatrue}%
3159     \csname @listi\endcsname
3160 \endgroup
3161 \edef\@listi@small{\leftmargin\leftmargini
3162     \topsep \the\topsep
3163     \parsep \the\parsep
3164     \itemsep \parsep
3165     \if@tempswa\noexpand\@list@extra\fi
3166 }%

```



```

3167 \xepersian@setlength{\parsep}%
3168         {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3169 \xepersian@setlength{\topsep}%
3170         {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
3171 \@tempswafalse
3172 \begingroup
3173 \def\@list@extra{\aftergroup\@tempwattrue}%
3174 \csname @listi\endcsname
3175 \endgroup
3176 \edef\@listi{\footnotesize{\leftmargin\leftmargini
3177 \topsep \the\topsep
3178 \parsep \the\parsep
3179 \itemsep \parsep
3180 \if@tempswa\noexpand\@list@extra\fi
3181 }%
3182 \xepersian@setlength{\parsep}%
3183         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3184 \xepersian@setlength{\topsep}%
3185         {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3186 \@tempswafalse
3187 \begingroup
3188 \def\@list@extra{\aftergroup\@tempwattrue}%
3189 \csname @listii\endcsname
3190 \endgroup
3191 \edef\@listii{\leftmargin\leftmarginii
3192 \labelwidth=\dimexpr \leftmargin-\labelsep
3193 \topsep \the\topsep
3194 \parsep \the\parsep
3195 \itemsep \parsep
3196 \if@tempswa\noexpand\@list@extra\fi
3197 }%
3198 \xepersian@setlength{\topsep}%
3199         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3200 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3201 \@tempswafalse
3202 \begingroup
3203 \def\@list@extra{\aftergroup\@tempwattrue}%
3204 \csname @listiii\endcsname
3205 \endgroup
3206 \edef\@listiii{\leftmargin\leftmarginiii
3207 \labelwidth=\dimexpr \leftmargin-\labelsep
3208 \topsep \the\topsep
3209 \parsep \z@
3210 \partopsep \the\partopsep
3211 \itemsep \topsep
3212 \if@tempswa\noexpand\@list@extra\fi
3213 }%
3214 \@tempswafalse
3215 \begingroup
3216 \def\@list@extra{\aftergroup\@tempwattrue}%

```



```

3217 \csname @listiv\endcsname
3218 \endgroup
3219 \edef\@listiv{\leftmargin\leftmarginiv
3220 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3221 \if@tempswa\noexpand\@list@extra\fi
3222 }%
3223 \@tempswafalse
3224 \begingroup
3225 \def\@list@extra{\aftergroup\@tempswattrue}%
3226 \csname @listv\endcsname
3227 \endgroup
3228 \edef\@listv{\leftmargin\leftmarginv
3229 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3230 \if@tempswa\noexpand\@list@extra\fi
3231 }%
3232 \@tempswafalse
3233 \begingroup
3234 \def\@list@extra{\aftergroup\@tempswattrue}%
3235 \csname @listvi\endcsname
3236 \endgroup
3237 \edef\@listvi{\leftmargin\leftmarginvi
3238 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3239 \if@tempswa\noexpand\@list@extra\fi
3240 }%
3241 \@listi
3242 \setlength{\@tempdimb}{\f@baselineskip}%
3243 \setlength{\footnotesep}{.555\@tempdimb}%
3244 \xepersian@setlength{\skip\footins}%
3245 {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3246 \xepersian@setlength{\floatsep}%
3247 {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3248 \xepersian@setlength{\textfloatsep}%
3249 {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3250 \setlength{\intextsep}{\floatsep}%
3251 \setlength{\dblfloatsep}{\floatsep}%
3252 \setlength{\dbltextfloatsep}{\textfloatsep}%
3253 \setlength{\@fptop}{\z@ \@plus 1fil}%
3254 \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3255 \setlength{\@fpbot}{\@fptop}%
3256 \setlength{\@dblftop}{\@fptop}%
3257 \setlength{\@dblpsep}{\@fpsep}%
3258 \setlength{\@dblpbot}{\@fptop}%
3259 \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3260 }
3261
3262 \newcommand\twocolumnstableofcontents{%
3263 \if@bidi@csundef{multi@column@out}{%
3264 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for b
3265 \begin{multicols}{2}[\section*{\contentsname}]{%
3266 \small

```



```

3267 \starttoc{toc}%
3268 \end{multicols}}

3269 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3270 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}}$}
3271 \def\figurename{\if@RTL else\ Figure\fi}
3272 \def\tablename{\if@RTL else\ Table\fi}
3273 \def\contentsname{\if@RTL else\ Contents\fi}
3274 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3275 \def\listtablename{\if@RTL else\ List of Tables\fi}
3276 \def\appendixname{\if@RTL else\ Appendix\fi}
3277 \def\indexname{\if@RTL else\ Index\fi}
3278 \def\refname{\if@RTL else\ References\fi}
3279 \def\abstractname{\if@RTL else\ Abstract\fi}
3280 \def\partname{\if@RTL else\ Part\fi}
3281 \def\datename{\if@RTL else\ Date:\fi}
3282 \def\@and{\if@RTL else\ and\fi}
3283 \def\bibname{\if@RTL else\ Bibliography\fi}
3284 \def\chaptername{\if@RTL else\ Chapter\fi}
3285 \def\ccname{\if@RTL else\ cc\fi}
3286 \def\enclname{\if@RTL else\ encl\fi}
3287 \def\pagename{\if@RTL else\ Page\fi}
3288 \def\headtoname{\if@RTL else\ To\fi}
3289 \def\proofname{\if@RTL else\ Proof\fi}
3290 \def\@Abjad#1{%
3291 \ifcase#1\or or\ or\ or\ %
3292 \or or\ or\ or\ or\ %
3293 \or or\ or\ or\ or\ %
3294 \or or\ or\ or\ %
3295 \or or\ or\ or\ or\ %
3296 \or or\ or\ or\ or\ %
3297 \else\@ctrerr\fi}
3298 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3299 \let\Abjadnumeral\@Abjad
3300 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3301 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3302 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3303 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3304 \let\harfinumeral\@harfi
3305 \newcommand{\adadi}[1]{%
3306 \expandafter\@adadi\csname c@#1\endcsname%
3307 }
3308 \newcommand{\@adadi}[1]{%
3309 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}}%
3310 }
3311 \let\adadinumeral\@adadi%
3312 \def\xepersian@numberoutofrange#1#2{%
3313 \PackageError{xepersian}{The number `#1' is too large %
3314 to be formatted using xepersian}{The largest possible %
3315 number is 999,999,999.}%

```



```

3316 }
3317 \def\xepersian@numberstring#1#2#3#4{%
3318 \ifnum\number#1<\@ne%
3319 #3%
3320 \else\ifnum\number#1<1000000000 %
3321 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3322 \else%
3323 \xepersian@numberoutofrange{#1}{#4}%
3324 \fi\fi%
3325 }
3326 \def\xepersian@adadi#1#2{%
3327 \expandafter\xepersian@@adadi%
3328 \ifcase%
3329 \ifnum#1<10 1%
3330 \else\ifnum#1<100 2%
3331 \else\ifnum#1<\@m 3%
3332 \else\ifnum#1<\@M 4%
3333 \else\ifnum#1<100000 5%
3334 \else\ifnum#1<1000000 6%
3335 \else\ifnum#1<10000000 7%
3336 \else\ifnum#1<100000000 8%
3337 \else9%
3338 \fi\fi\fi\fi\fi\fi\fi\fi %
3339 \or00000000#1% case 1: Add 8 leading zeros
3340 \or0000000#1% case 2: Add 7 leading zeros
3341 \or000000#1% case 3: Add 6 leading zeros
3342 \or00000#1% case 4: Add 5 leading zeros
3343 \or0000#1% case 5: Add 4 leading zeros
3344 \or000#1% case 6: Add 3 leading zeros
3345 \or00#1% case 7: Add 2 leading zeros
3346 \or0#1% case 8: Add 1 leading zero
3347 \or#1% case 9: Add no leading zeros
3348 \or%
3349 \@nil#2%
3350 \fi%
3351 }
3352 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3353 \ifnum#1#2#3>\z@
3354 \xepersian@milyoongan#1#2#3%
3355 \ifnum#7>\z@\ifnum#4#5#6>\z@ \else \fi\else\ifnum#4#5#6>\z@ \fi\fi%
3356 \fi%
3357 \ifnum#4#5#6>\z@%
3358 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3359 \ifnum#4#5#6>\@ne\fi%
3360 %
3361 \ifnum#7>\z@ \fi%
3362 \fi%
3363 \xepersian@sadgan#7{#4#5#6}1#9%
3364 }
3365 \def\xepersian@milyoongan#1#2#3{%

```



```

3366 \ifnum#1#2#3=\@ne%
3367 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3368 %
3369 %
3370 \else%
3371 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3372 %
3373 %
3374 \fi%
3375 }
3376 \def\xepersian@sadgan#1#2#3#4#5#6{%
3377 \ifnum#1>\z@%
3378 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3379 %
3380 \ifnum#2#3>\z@ \fi%
3381 \fi%
3382 \ifnum#2#3<20%
3383 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3384 \else%
3385 \xepersian@dahgan#2%
3386 \ifnum#3>\z@ \xepersian@yekani#3\fi%
3387 #60%
3388 \fi%
3389 }
3390 \def\xepersian@yekani#1{%
3391 \ifcase#1\@empty\or\ or\ or\ or\ or\ %
3392 \or\ or\ or\ or\ or\ or\ %
3393 \or\ or\ or\ %
3394 \or\ or\ %fi\
3395 }
3396 \def\xepersian@yekanii#1{%
3397 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3398 }
3399 \def\xepersian@yekanii#1{%
3400 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3401 }
3402 \def\xepersian@yekaniv#1{%
3403 \ifcase#1\@empty\or\or\ or\ or\ or\ %
3404 \or\ or\ %fi\
3405 }
3406 \def\xepersian@dahgan#1{%
3407 \ifcase#1\or\or\ or\ %
3408 \or\ or\ or\ %
3409 \or %fi\
3410 }
3411 \newcommand{\tartibi}[1]{%
3412 \expandafter\@tartibi\csname c@#1\endcsname%
3413 }
3414 \newcommand{\@tartibi}[1]{%
3415 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%

```



```

3416 }
3417 \let\tartibinumeral\@tartibi%
3418 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3419 \ifnum\number#1<\@ne%
3420 #3%
3421 \else\ifnum\number#1<1000000000 %
3422 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3423 \else%
3424 \xepersian@numberoutofrange{#1}{#4}%
3425 \fi\fi%
3426 }
3427 \def\xepersian@adadi@tartibi#1#2{%
3428 \expandafter\xepersian@@adadi@tartibi%
3429 \ifcase%
3430 \ifnum#1<10 1%
3431 \else\ifnum#1<100 2%
3432 \else\ifnum#1<\@m 3%
3433 \else\ifnum#1<\@M 4%
3434 \else\ifnum#1<100000 5%
3435 \else\ifnum#1<1000000 6%
3436 \else\ifnum#1<10000000 7%
3437 \else\ifnum#1<100000000 8%
3438 \else9%
3439 \fi\fi\fi\fi\fi\fi\fi %
3440 \or00000000#1% case 1: Add 8 leading zeros
3441 \or00000000#1% case 2: Add 7 leading zeros
3442 \or000000#1% case 3: Add 6 leading zeros
3443 \or00000#1% case 4: Add 5 leading zeros
3444 \or0000#1% case 5: Add 4 leading zeros
3445 \or000#1% case 6: Add 3 leading zeros
3446 \or00#1% case 7: Add 2 leading zeros
3447 \or0#1% case 8: Add 1 leading zero
3448 \or#1% case 9: Add no leading zeros
3449 \or%
3450 \@nil#2%
3451 \fi%
3452 }
3453 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3454 \ifnum#1#2#3>\z@
3455 \xepersian@milyoongan@tartibi#1#2#3%
3456 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3457 \fi%
3458 \ifnum#4#5#6>\z@%
3459 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3460 \ifnum#4#5#6>\@ne \fi%
3461 %
3462 \ifnum#7>\z@\ \fi%
3463 \fi%
3464 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3465 }

```



```

3466 \def\xepersian@milyoongan@tartibi#1#2#3{%
3467 \ifnum#1#2#3=\@ne%
3468 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3469 %
3470 %
3471 \else%
3472 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3473 %
3474 %
3475 \fi%
3476 }
3477 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3478 \ifnum#1>\z@%
3479 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3480 %
3481 \ifnum#2#3>\z@\ \fi%
3482 \fi%
3483 \ifnum#2#3<20%
3484 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3485 \else%
3486 \ifnum#2#3=30%
3487 \xepersian@dahgan@tartibi#2%
3488 \else%
3489 \xepersian@dahgan#2%
3490 \fi%
3491 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
3492 #60%
3493 \fi%
3494 }
3495 \def\xepersian@dahgan@tartibi#1{%
3496 \ifcase#1\or\or or\ or\ %
3497 \or or\ or\ or\ %
3498 \or %fi\
3499 }
3500 \def\xepersian@tartibi#1{%
3501 \ifcase#1\or or\ or\ or\ %
3502 \or or\ or\ or\ or\ %
3503 \or or\ or\ or\ %
3504 \or or\ or\ %
3505 \or or\ or\ %fi\
3506 }
3507 \def\xepersian@yekanv#1{%
3508 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3509 \or or\ or\ or\ or\ or\ %
3510 \or or\ or\ or\ %
3511 \or or\ %fi\
3512 }
3513 \providecommand*{\xpg@warning}[1]{%
3514 \PackageWarning{XePersian}%
3515 {#1}}

```



```

3516 \if@bidi@csundef{@abjad}{%
3517 \def\@abjad#1{%
3518 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3519 \else
3520 \ifnum#1<z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3521 \else
3522 \ifnum#1<10\expandafter\abj@num@i\number#1%
3523 \else
3524 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3525 \else
3526 \ifnum#1<\m\expandafter\abj@num@iii\number#1%
3527 \else
3528 \ifnum#1<\M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3529 \fi
3530 \fi
3531 \fi
3532 \fi
3533 \fi
3534 \fi
3535 }
3536 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3537 \let\abjadnumeral\@abjad
3538 \def\abjad@zero{}
3539 \def\abj@num@i#1{%
3540 \ifcase#1\or or\ or\ or\ %
3541 \or or\ or\ or\ or\ fi\
3542 \ifnum#1=z@\abjad@zero\fi}
3543 \def\abj@num@ii#1{%
3544 \ifcase#1\or or\ or\ or\ or\ %
3545 \or or\ or\ or\ fi\
3546 \ifnum#1=z@\fi\abj@num@i}
3547 \def\abj@num@iii#1{%
3548 \ifcase#1\or or\ or\ or\ or\ %
3549 \or or\ or\ or\ fi\
3550 \ifnum#1=z@\fi\abj@num@ii}
3551 \def\abj@num@iv#1{%
3552 \ifcase#1\or fi\
3553 \ifnum#1=z@\fi\abj@num@iii}
3554 }{}
3555 \let\@latinalph\@alph%
3556 \let\@latinAlph\@Alph%
3557 \def\LatinAlphs{%
3558 \let\@alph\@latinalph%
3559 \let\@Alph\@latinAlph%
3560 }
3561 \def\thempfootnote{{\itshape\@latinalph\c@mpfootnote}}
3562 \renewcommand*{\bidi@thebibliography@font@hook}{%
3563 \if@LTRbibitems
3564 \resetlatinfont
3565 \fi}

```



```

3566 \bidi@AfterEndPreamble{%
3567 \if@bidi@csundef{persianfont}{%
3568 \PackageError{xepersian}{You have not specified any font\MessageBreak
3569 for the main Persian text}{Use '\settextfont' to load a font.}%
3570 }{}}
3571 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3572 \@ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
3573 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3574 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3575 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3576 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3577 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3578 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3579 \@ifpackageloaded{bidiuftesidenote}{\input{bidiuftesidenote-xepersian.def}}{}
3580 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3581 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3582 \@ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
3583 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3584 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3585 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3586 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3587 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3588 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
3589 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3590 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xepersian.def}}{}}
3591 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3592 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3593 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3594 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3595 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3596 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3597 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3598 \@ifclassloaded{report}{\input{report-xepersian.def}}{}
3599 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3600 \@ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3601 \@ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3602 \@ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3603 \@ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3604 \@ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3605 \@ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3606 \@ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3607 \@ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3608 \@ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3609 \@ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3610 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3611 \@ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3612 \@ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3613 \@ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3614
3615 \def\xepersian@@fontsize@branch#1{%

```



```

3616 \@tempcnta\z@
3617 \@for\xepersian@tmp:=#1\do{%
3618   \KV@@sp@def\xepersian@frag{\xepersian@tmp}%
3619   \ifcase\@tempcnta\relax% cnta == 0
3620     \edef\xepersian@value{\xepersian@frag}%
3621     \setfontsize{\xepersian@frag}%
3622   \or% cnta == 1
3623     \setfontsize[\xepersian@frag]{\xepersian@value}%
3624   \else\fi
3625   \advance\@tempcnta\@ne}%
3626 }
3627
3628
3629 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default
3630   \ifcase\xepersian@tempb\relax
3631     \AutoMathsDigits
3632   \or
3633     \DefaultMathsDigits
3634   \or
3635     \PersianMathsDigits
3636   \fi}
3637 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automatic
3638   \ifcase\xepersian@tempb\relax
3639     \AutoInlineMathsDigits
3640   \or
3641     \DefaultInlineMathsDigits
3642   \or
3643     \PersianInlineMathsDigits
3644   \fi}
3645 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automatic
3646   \ifcase\xepersian@tempb\relax
3647     \AutoDisplayMathsDigits
3648   \or
3649     \DefaultDisplayMathsDigits
3650   \or
3651     \PersianDisplayMathsDigits
3652   \fi}
3653 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3654   \ifcase\xepersian@tempb\relax
3655     \RTLtrue
3656   \or
3657     \RTLfalse
3658   \fi}
3659
3660 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{rightto
3661   \ifcase\xepersian@tempb\relax
3662     \RTLtrue
3663   \or
3664     \RTLfalse
3665   \fi}

```



```

3666
3667
3668 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft
3669 \ifcase\xepersian@tempb\relax
3670 \RTLtabtrue
3671 \or
3672 \RTLtabfalse
3673 \fi}
3674
3675 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}{lat
3676 \ifcase\xepersian@tempb\relax
3677 \@nonlatinfalse
3678 \or
3679 \@nonlatintrue
3680 \fi}
3681
3682 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3683 \ifcase\xepersian@tempb\relax
3684 \RTLtrue
3685 \or
3686 \RTLfalse
3687 \fi}
3688 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,lef
3689 \ifcase\xepersian@tempb\relax
3690 \autofootnoterule
3691 \or
3692 \leftfootnoterule
3693 \or
3694 \rightfootnoterule
3695 \or
3696 \SplitFootnoteRule
3697 \or
3698 \textwidthfootnoterule
3699 \fi}
3700 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttol
3701 \ifcase\xepersian@tempb\relax
3702 \RTL@footnotetrue
3703 \or
3704 \RTL@footnotefalse
3705 \fi}
3706 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,
3707 \ifcase\xepersian@tempb\relax
3708 \footdir@debugtrue
3709 \or
3710 \footdir@debugfalse
3711 \fi}
3712 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3713 \ifcase\xepersian@tempb\relax
3714 \input{kashida-xepersian.def}
3715 \fi}

```



```

3716 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3717   \ifcase\xepersian@tempb\relax
3718     \input{localise-xepersian.def}
3719   \fi}
3720 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3721   \ifcase\xepersian@tempb\relax
3722     \@extrafootnotefeaturestrue
3723   \or
3724     \@extrafootnotefeaturesfalse
3725   \fi}
3726 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3727   \ifcase\xepersian@tempb\relax
3728     \PackageWarning{xepersian}{Obsolete option}%
3729     \ifwritexviii%
3730       \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3731       \renewcommand\printindex{\newpage%
3732       \immediate\closeout\@indexfile
3733       \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.
3734       \@input@{\jobname.ind}}}%
3735     \else
3736       \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "
3737     \fi
3738   \fi}
3739 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3740   \ifcase\xepersian@tempb\relax
3741     \ifwritexviii%
3742       \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3743       \renewcommand\printindex{\newpage%
3744       \immediate\closeout\@indexfile
3745       \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobnam
3746       \@input@{\jobname.ind}}}%
3747     \else
3748       \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3749     \fi
3750   \fi}
3751 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3752   \ifcase\xepersian@tempb\relax
3753     \ifwritexviii%
3754       \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3755       \renewcommand\printindex{\newpage%
3756       \immediate\closeout\@indexfile
3757       \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
3758       \@input@{\jobname.ind}}}%
3759     \else
3760       \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3761     \fi
3762   \fi}
3763 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
3764   \ifcase\xepersian@tempb\relax
3765     \def\PersianAlphs{%

```



```

3766 \let\@alph\@abjad%
3767 \let\@Alph\@abjad%
3768 }
3769 \or
3770 \def\PersianAlphs{%
3771 \let\@alph\@Abjad%
3772 \let\@Alph\@Abjad%
3773 }
3774 \fi}
3775 \DeclareOptionX{defaultlatinfontfeatures}{%
3776 \defaultfontfeatures
3777 [\latinfont]
3778 {#1}
3779 }
3780
3781 \DeclareOptionX{mathfontsizescale}{%
3782 \def\xepersian@@math@fontsize@scale{#1}%
3783 }
3784
3785 \DeclareOptionX{fontsizescale}{%
3786 \def\xepersian@@@fontsize@scale{#1}%
3787 }
3788
3789 \DeclareOptionX{fontsize}{%
3790 \xepersian@@@fontsize@branch{#1}%
3791 }
3792
3793 \DeclareOptionX{latinfontsizescale}{%
3794 \def\xepersian@@@latin@fontsize@scale{#1}%
3795 }
3796
3797 \DeclareOptionX{baselineskipscale}{%
3798 \def\xepersian@@@baselineskip@scale{#1}%
3799 }
3800
3801 \DeclareOptionX{latinbaselineskipscale}{%
3802 \def\xepersian@@@latin@baselineskip@scale{#1}%
3803 }
3804
3805 \define@choicekey{xepersian.sty}{computeautoilg}{[\xepersian@tempa\xepersian@tempb]{on,off}[on]}{on}
3806 \ifcase\xepersian@tempb\relax
3807 \xepersian@@computeautoilgtrue
3808 \or
3809 \xepersian@@computeautoilgfalse
3810 \fi}
3811
3812 \define@choicekey{xepersian.sty}{DetectColumn}{[\xepersian@tempa\xepersian@tempb]{on,off}[on]}{on}
3813 \ifcase\xepersian@tempb\relax
3814 \def\bidi@firstcolumn@status@write{%
3815 \protected@write\auxout{}%

```



```

3816             {\string\bidi@column@status
3817             {1}}}%
3818 \def\bidi@lastcolumn@status@write{%
3819     \protected@write\@auxout{}%
3820     {\string\bidi@column@status{2}}}%
3821 \or
3822     \let\bidi@firstcolumn@status@write\relax
3823     \let\bidi@lastcolumn@status@write\relax
3824 \fi}
3825
3826
3827 \define@choicekey{xepersian.sty}{debugtextdigitfont}[\xepersian@tempa\xepersian@tempb]{on,off}
3828 \ifcase\xepersian@tempb\relax
3829     \bidi@AtEndPreamble{%
3830         \bidi@patchcmd{\xepersian@@start@switch@textdigitfont}%
3831         {\xepersian@textdigitfont}{\addfontfeature{Color=C71585}}{}{}%
3832     }
3833 \or
3834     \relax
3835 \fi}
3836
3837 \ExecuteOptionsX{%
3838     documentdirection=righttoleft,
3839     tabledirection=righttoleft,
3840     script=nonlatin,
3841     footnotedirection=righttoleft,
3842     footnoterule=automatic,
3843     abjadvariant=two,
3844     DetectColumn=off,
3845     fontsizescale=\@ne,
3846     latinfontsizescale=\@ne,
3847     mathfontsizescale=\@ne,
3848     baselineskipscale=\@ne,
3849     latinbaselineskipscale=\@ne
3850 }
3851
3852 \ProcessOptionsX
3853
3854 \if@extrafootnotefeatures
3855     \input{extrafootnotefeatures-xetex-bidi.def}
3856     \input{extrafootnotefeatures-xepersian.def}
3857 \fi
3858
3859 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
3860     \@tempdimb\xepersian@@fontsize@scale\dimexpr#2pt\relax
3861 }{}{}
3862
3863 \bidi@patchcmd{\set@fontsize}{\@tempskipa#3pt}{%
3864     \@tempskipa\xepersian@@baselineskip@scale\dimexpr#3pt\relax
3865 }{}{}

```



```

3866
3867
3868 \newcommand*{\xepersian@@update@math@fontsize}[1]{%
3869   \strip@pt\dimexpr\xepersian@@math@fontsize@scale
3870   \dimexpr 1pt * \dimexpr #1 pt\relax /
3871   \dimexpr \xepersian@@fontsize@scale pt\relax
3872   \relax\relax
3873 }
3874
3875 \bidi@patchcmd{\getanddefine@fonts}{%
3876   \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
3877 }{%
3878   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\tf@size\endcsname}%
3879 }{}{}
3880
3881 \bidi@patchcmd{\getanddefine@fonts}{%
3882   \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
3883 }{%
3884   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sfont@size\endcsname}%
3885 }{}{}
3886
3887 \bidi@patchcmd{\getanddefine@fonts}{%
3888   \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
3889 }{%
3890   \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
3891 }{}{}
3892
3893
3894 \if\xepersian@@computeautoilg
3895 \bidi@patchcmd{\set@fontsize}{%
3896 \baselineskip\font@baselineskip\relax
3897 }{%
3898 \baselineskip\font@baselineskip\relax
3899 \xepersian@@computeautoilg
3900 \ifdim\xepersian@strutilg>\baselineskip
3901 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
3902 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
3903 \baselineskip\xepersian@strutilg
3904 \ifdim\footnotesep=.7\baselineskip
3905 \else
3906 \footnotesep.7\baselineskip
3907 \fi
3908 \fi
3909 }{}{}
3910 \fi
3911
3912 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-boldita}
3913 \PersianAlphs

```



## 7.57 xepersian-magazine.cls

```
3914 \NeedsTeXFormat{LaTeX2e}
3915 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3916 \RequirePackage{ifthen}
3917 \newlength{\xepersian@imgsize}
3918 \newlength{\xepersian@coltitsize}
3919 \newlength{\xepersian@pageneed}
3920 \newlength{\xepersian@pageleft}
3921 \newlength{\xepersian@indexwidth}
3922 \newcommand{\xepersian@ncolumns}{0}
3923 \newlength{\columnlines}
3924 \setlength{\columnlines}{0 pt} % no lines by default
3925 \newboolean{xepersian@hyphenatedtitles}
3926 \setboolean{xepersian@hyphenatedtitles}{true}
3927 \newboolean{xepersian@ninepoints}
3928 \setboolean{xepersian@ninepoints}{false}
3929 \newboolean{xepersian@showgrid}
3930 \setboolean{xepersian@showgrid}{false}
3931 \newboolean{xepersian@a3paper}
3932 \setboolean{xepersian@a3paper}{false}
3933 \newboolean{xepersian@insidefrontpage}
3934 \setboolean{xepersian@insidefrontpage}{false}
3935 \newboolean{xepersian@insideweather}
3936 \setboolean{xepersian@insideweather}{false}
3937 \newboolean{xepersian@insideindex}
3938 \setboolean{xepersian@insideindex}{false}
3939 \newcount\xepersian@gridrows
3940 \newcount\xepersian@gridcolumns
3941 \xepersian@gridrows=40
3942 \xepersian@gridcolumns=50
3943 \newcount\minraggedcols
3944 \minraggedcols=5
3945 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3946 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3947 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3948 \DeclareOption{twocolumn}%
3949 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3950 \DeclareOption{notitlepage}%
3951 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3952 \DeclareOption{twoside}%
3953 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3954 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3955 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3956 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3957 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3958 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3959 \ProcessOptions\relax
3960 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3961 \RequirePackage{ifxetex}
```



```

3962 \RequirePackage{multido}
3963 \RequirePackage{datetime}
3964 \RequirePackage{multicol}
3965 \RequirePackage{fancyhdr}
3966 \RequirePackage{fancybox}
3967 \ifthenelse{\boolean{xepersian@a3paper}}{%
3968 \RequirePackage[a3paper,headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
3969 }{
3970 \RequirePackage[headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
3971 }
3972 \RequirePackage[absolute]{textpos} % absolute positioning
3973 \RequirePackage{hyphenat} % when hyphenate
3974 \RequirePackage{lastpage} % to know the last page number
3975 \RequirePackage{setspace} % set space between lines
3976 \RequirePackage{ragged2e}
3977 \newcommand{\raggedFormat}{\RaggedLeft}
3978 \AtEndOfClass{\xepersianInit}
3979 \ifthenelse{\boolean{xepersian@showgrid}}{%
3980 \AtBeginDocument{
3981 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3982 \advance\minraggedcols by -1
3983 }{%
3984 \AtBeginDocument{
3985 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3986 \advance\minraggedcols by -1
3987 }
3988 \ifthenelse{\boolean{xepersian@ninepoints}}{
3989 \renewcommand{\normalsize}{%
3990 \setfontsize{\normalsize}{9pt}{10pt}%
3991 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
3992 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3993 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
3994 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
3995
3996 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
3997
3998 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
3999
4000 \renewcommand{\small}{%
4001 \setfontsize{\small}{8pt}{9pt}%
4002 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4003 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4004 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4005 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4006
4007 \renewcommand{\footnotesize}{%
4008 \setfontsize{\footnotesize}{8pt}{9pt}%
4009 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4010 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4011 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%

```



```

4012 \setlength{\belowdisplayskip}{\abovedisplayskip}}
4013
4014 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
4015 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
4016 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
4017 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
4018 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
4019 }{}
4020 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4021 \newcommand{\xepersian@wwwFormat}{\sffamily}
4022 \newcommand{\xepersian@www}{%
4023 \raisebox{-3pt}{\{\xepersian@wwwFormat\@customwwwTxt}}
4024 }
4025 \newcommand{\xepersian@edition}{ {
4026 \newcommand{\editionFormat}{\large\bfseries\texttt}
4027 \newcommand{\xepersian@editionLogo}{%
4028 \raisebox{-3pt}{%
4029 {\editionFormat\xepersian@edition}%
4030 }%
4031 }
4032 \newcommand{\indexFormat}{\large\bfseries}
4033 \newcommand{\xepersian@indexFrameTitle}[1]
4034 {\begin{flushright}{\{\indexFormat #1}\end{flushright}}
4035
4036 \newcommand{\indexEntryFormat}{\normalsize}
4037 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4038 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4039 \end{minipage}}
4040 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4041 \newcommand{\indexEntryPageTxt}{ }
4042 \newcommand{\indexEntryPageFormat}{\footnotesize}
4043 \newcommand{\xepersian@indexEntryPage}[1]{%
4044 {\indexEntryPageFormat{\indexEntryPageTxt}{~#1}}%
4045 }
4046 \newcommand{\headDateTimeFormat}{ }
4047 \newcommand{\xepersian@headDateTime}{%
4048 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
4049 \currenttime %
4050 }
4051 \newcommand{\weatherFormat}{\bfseries}
4052 \newcommand{\xepersian@weather}[1]{%
4053 \noindent{\weatherFormat #1}%
4054 }
4055 \newcommand{\weatherTempFormat}{\small}
4056 \newcommand{\weatherUnits}{\textdegree{ }C}
4057 \newcommand{\xepersian@section}[0]{ {
4058 \newcommand{\xepersian@headleft}{%
4059 {\small\bfseries \@commagazinenam} \date
4060 }
4061 \newcommand{\xepersian@headcenter}{%

```



```

4062 \xepersian@section{}
4063 }
4064 \newcommand{\xepersian@headright}{%
4065 \small\xepersian@edition%
4066 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4067 }
4068
4069 \newcommand{\heading}[3]{%
4070 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4071 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4072 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4073 }
4074 \newcommand{\xepersian@footright}{%
4075 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4076 }
4077 \newcommand{\xepersian@footcenter}{%
4078 }
4079 \newcommand{\xepersian@footleft}{%
4080 }
4081
4082 \newcommand{\foot}[3]{%
4083 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4084 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4085 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4086 }
4087 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4088 \newcommand{\xepersian@firstTitle}[1]{%
4089 {%
4090 \begin{spacing}{2.0}{%
4091 \noindent\ignorespaces
4092 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4093 {\nohyphens{\firstTitleFormat #1}}%
4094 {\firstTitleFormat #1}}%
4095 }%
4096 \end{spacing}%
4097 }%
4098 }
4099 \newcommand{\firstTextFormat}{%
4100 \newcommand{\xepersian@firstText}[1]{%
4101 {\noindent\ignorespaces\firstTextFormat #1}%
4102 }
4103 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4104 \newcommand{\xepersian@secondTitle}[1]{%
4105 \begin{spacing}{1.5}{%
4106 \noindent\ignorespaces\flushright
4107 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4108 {\nohyphens{\secondTitleFormat #1}}%
4109 {\secondTitleFormat #1}}%
4110 \end{spacing}%
4111 }

```



```

4112 \newcommand{\secondSubtitleFormat}{\large}
4113 \newcommand{\xepersian@secondSubtitle}[1]{%
4114 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
4115 }
4116 \newcommand{\secondTextFormat}{}
4117 \newcommand{\xepersian@secondText}[1]{%
4118 \begin{multicols}{2}
4119 {\noindent\ignorespaces\secondTextFormat #1}
4120 \end{multicols}
4121 }
4122 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4123 \newcommand{\xepersian@thirdTitle}[1]{%
4124 \begin{spacing}{1.5}{%
4125 \noindent\ignorespaces\flushright
4126 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4127 {\nohyphens{\thirdTitleFormat #1}}%
4128 {\thirdTitleFormat #1}}%
4129 }\end{spacing}%
4130 }
4131 \newcommand{\thirdSubtitleFormat}{\large}
4132 \newcommand{\xepersian@thirdSubtitle}[1]{%
4133 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4134 \newcommand{\thirdTextFormat}{}
4135 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4136 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4137 \newcommand{\xepersian@pictureCaption}[1]{%
4138 {\noindent\pictureCaptionFormat #1}}%
4139 }
4140 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4141 \newcommand{\xepersian@pages}[1]{%
4142 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4143 \newcommand{\innerTitleFormat}{\Huge}
4144 \newcommand{\xepersian@innerTitle}[1]{%
4145 \begin{flushright}{%
4146 \noindent
4147 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4148 {\nohyphens{\innerTitleFormat #1}}%
4149 {\innerTitleFormat #1}}%
4150 }%
4151 \\\%
4152 \end{flushright}}%
4153 }
4154 \newcommand{\innerSubtitleFormat}{\large}
4155 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4156 \newcommand{\timestampTxt}{}
4157 \newcommand{\timestampSeparator}{}
4158 \newcommand{\timestampFormat}{\small}
4159 \newcommand{\timestamp}[1]{%
4160 {\timestampFormat%
4161 #1~\timestampTxt}}%

```



```

4162 }~\timestampSeparator{}%
4163 }
4164 \newcommand{\innerAuthorFormat}{\footnotesize}
4165 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4166 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4167 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4168 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4169 \newcommand{\editorialAuthorFormat}{\textsc}
4170 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4171 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4172 \newcommand{\shortarticleSubtitleFormat}{\Large}
4173 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
4174 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4175 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
4176 \renewcommand{\maketitle}{\begin{titlepage}%
4177   \let\footnotesize\small
4178   \let\footnoterule\relax
4179   \let\footnote\thanks
4180   \null\vfil
4181   \vskip 60\p@
4182   \begin{center}%
4183     {\LARGE \@title \par}%
4184     \vskip 1em%
4185     {\LARGE «\xepersian@edition» \par}%
4186     \vskip 3em%
4187     {\large
4188       \lineskip .75em%
4189       \begin{tabular}[t]{c}%
4190         \@author
4191       \end{tabular}\par}%
4192       \vskip 1.5em%
4193       {\large \@date \par}%
4194     \end{center}\par
4195     \@thanks
4196     \vfil\null
4197   \end{titlepage}%
4198   \setcounter{footnote}{0}%
4199   \global\let\thanks\relax
4200   \global\let\maketitle\relax
4201   \global\let\@thanks\@empty
4202   \global\let\@author\@empty
4203   \global\let\@date\@empty
4204   \global\let\@title\@empty
4205   \global\let\title\relax
4206   \global\let\author\relax
4207   \global\let\date\relax
4208   \global\let\and\relax
4209 }
4210 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4211 \newsavebox{\xepersian@fmbox}

```



```

4212 \newenvironment{xepersian@fmpage}[1]
4213   {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4214   {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4215 \newcommand{\image}[2]{
4216   \vspace{5pt}
4217   \setlength{\fboxsep}{1pt}
4218   \addtolength{\xepersian@imgsize}{\columnwidth}
4219   \addtolength{\xepersian@imgsize}{-1\columnsep}
4220   \ifxetex
4221     \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4222     \addtolength{\xepersian@pageneed}{50pt}
4223     \ClassWarning{xepersian-magazine}{%
4224       Image #1 needs: \the\xepersian@pageneed \space %
4225       and there is left: \the\page@free\space%
4226     }
4227     \ifdim \xepersian@pageneed < \page@free
4228
4229       {\centering\fbox{%
4230         \includegraphics[width = \xepersian@imgsize,
4231           height = \xepersian@imgsize,
4232           keepaspectratio ]{#1}}}
4233       \xepersian@pictureCaption{#2}
4234
4235       \vspace{5pt}
4236     \else
4237       \ClassWarning{Image #1 needs more space!%
4238         It was not inserted!}
4239     \fi
4240     \fi
4241   }
4242   \textblockorigin{1cm}{1cm}
4243   \newdimen\xepersian@dx
4244   \newdimen\xepersian@dy
4245   \newcount\xepersian@cx
4246   \newcount\xepersian@cy
4247   \newcommand{\grid}[3][ ]{
4248     \xepersian@dx=\textwidth%
4249     \xepersian@dy=\textheight%
4250     \xepersian@cx=#3% %columns
4251     \xepersian@cy=#2% %rows
4252
4253     \count1=#3%
4254     \advance\count1 by 1
4255
4256     \count2=#2%
4257     \advance\count2 by 1
4258
4259     \divide\xepersian@dx by #3
4260     \divide\xepersian@dy by #2
4261

```



```

4262 \setlength{\TPHorizModule}{\xepersian@dx}
4263 \setlength{\TPVertModule}{\xepersian@dy}
4264
4265 \ifthenelse{\equal{#1}{show}}{
4266 \multido{\xepersian@nrow=0+1}{\count2}{
4267 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4268 \rule[0pt]{\textwidth}{.1pt}
4269 \end{textblock}
4270 }
4271
4272 \multido{\xepersian@ncol=0+1}{\count1}{
4273 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4274 \rule[0pt]{.1pt}{\textheight}
4275 \end{textblock}
4276 }
4277 }{}
4278 }
4279 \newcommand{\xepersianInit}{
4280 \setlength{\headheight}{14pt}
4281 \renewcommand{\headrulewidth}{0.4pt}
4282
4283 \pagestyle{fancy}
4284
4285 \setlength{\columnseprule}{\columnlines}
4286 \setlength{\fboxrule}{0.1 pt}
4287
4288 }
4289
4290 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4291 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4292 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4293 \newcommand{\logo}[0]{
4294 %% Heading %%
4295 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4296
4297 \vspace*{-3pt}
4298
4299 {\Large\bfseries \@customlogo}
4300 \hrulefill
4301 \hspace{10pt}\xepersian@headDateTime
4302
4303 }
4304 \newcommand{\minilogo}[0]{
4305 {\large\bfseries \@customminilogo}
4306
4307 \vspace*{5pt}
4308 }
4309 \newcommand{\mylogo}[1]{
4310 {\beginR#1\endR}
4311

```



```

4312 \noindent
4313 \xepersian@editionLogo\hspace{5pt}
4314 \hrulefill
4315 \hspace{5pt}\xepersian@headDateTime
4316 }
4317 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4318 \newenvironment{frontpage}[0]
4319 {
4320 \setboolean{xepersian@insidefrontpage}{true}
4321 \thispagestyle{empty}
4322 \logo
4323
4324 }%
4325 {
4326 \thispagestyle{empty}
4327 \clearpage
4328 \newpage
4329 \fancyhead{}
4330 \fancyfoot{}
4331 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4332 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4333 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4334 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4335 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4336 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4337 \renewcommand{\headrulewidth}{0.4pt}
4338 \setboolean{xepersian@insidefrontpage}{false}
4339
4340 }
4341 \newcommand{\firstarticle}[3]
4342 {
4343 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4344 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4345 \begin{textblock}{24}(22,5)
4346 }
4347 {
4348 \begin{textblock}{28}(22,5)
4349 }
4350 \vspace{-7pt}
4351 \xepersian@firstTitle{#1}
4352 \end{textblock}
4353 \begin{textblock}{29}(22,10)
4354 \vspace{5pt plus 2pt minus 2pt}
4355
4356 \xepersian@firstText{\timestamp{#3}~#2}
4357
4358 \end{textblock}
4359
4360 \begin{textblock}{50}(0,15)
4361 \rule{50\TPHorizModule}{.3pt}

```



```

4362 \end{textblock}
4363 }{%else
4364 \ClassError{xepersian-magazine}{%
4365 \protect\firstarticle\space in a wrong place.\MessageBreak
4366 \protect\firstarticle\space may only appear inside frontpage environment.
4367 }{%
4368 \protect\firstarticle\space may only appear inside frontpage environment.
4369 }%
4370 }
4371 }
4372 \newcommand{\secondarticle}[5]
4373 {
4374 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4375 \begin{textblock}{33}(2,16)
4376 \xepersian@pages{#4}
4377 \vspace{-5pt}
4378 \xepersian@secondTitle{#1}
4379
4380 \vspace*{5pt}
4381
4382 \xepersian@secondSubtitle{#2}
4383
4384 \vspace*{-7pt}
4385
4386 \xepersian@secondText{\timestamp{#5}~#3}
4387
4388 \end{textblock}
4389
4390 \begin{textblock}{33}(2,25)
4391 \vspace{5pt plus 2pt minus 2pt}
4392
4393 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4394 \end{textblock}
4395 }{%else
4396 \ClassError{xepersian-magazine}{%
4397 \protect\secondarticle\space in a wrong place.\MessageBreak
4398 \protect\secondarticle\space may only appear inside frontpage environment.
4399 }{%
4400 \protect\secondarticle\space may only appear inside frontpage environment.
4401 }%
4402 }
4403 }
4404 \newcommand{\thirdarticle}[6]
4405 {
4406 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4407 \begin{textblock}{32}(2,26)
4408 \xepersian@pages{#5}
4409 \vspace{-5pt}
4410 \setlength{\fboxsep}{1pt}
4411 \xepersian@thirdTitle{#1}

```



```

4412
4413 \vspace*{5pt}
4414
4415 \xepersian@thirdSubtitle{#2}
4416
4417 \vspace*{5pt}
4418
4419 {\noindent\ignorespaces %
4420 \ifthenelse{\equal{#4}{}}{}}
4421
4422 \xepersian@thirdText{\timestamp{#6}~#3}
4423
4424 }
4425
4426 \vspace*{5pt}
4427
4428 \end{textblock}
4429 }{%else
4430 \ClassError{xepersian-magazine}{%
4431 \protect\thirdarticle\space in a wrong place.\MessageBreak
4432 \protect\thirdarticle\space may only appear inside frontpage environment.
4433 }{%
4434 \protect\thirdarticle\space may only appear inside frontpage environment.
4435 }%
4436 }
4437 }
4438 \newcommand{\firstimage}[2]
4439 {
4440 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4441 \begin{textblock}{18}(2,5)
4442 \setlength{\fboxsep}{1pt}
4443 \ifxetex % only in PDF
4444 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4445 \fi
4446
4447 \xepersian@pictureCaption{#2}
4448 \end{textblock}%
4449 }
4450 {\ClassError{xepersian-magazine}{%
4451 \protect\firstimage\space in a wrong place.\MessageBreak
4452 \protect\firstimage\space may only appear inside frontpage environment.
4453 }{%
4454 \protect\firstimage\space may only appear inside frontpage environment.
4455 }}
4456 }%
4457 \newcommand{\weatheritem}[5]{%
4458 \ifthenelse{\boolean{xepersian@insideweather}}{
4459 \begin{minipage}{45pt}
4460 \ifxetex
4461 \includegraphics[width=40pt]{#1}

```



```

4462 \fi
4463 \end{minipage}
4464 \begin{minipage}{50pt}
4465 \weatherTempFormat
4466 #2\\
4467 \beginL#3 $\|$ $ #4 \lr{\weatherUnits{}}\endL\\
4468 #5
4469 \end{minipage}
4470 }{%else
4471 \ClassError{xepersian-magazine}{%
4472 \protect\weatheritem\space in a wrong place.\MessageBreak
4473 \protect\weatheritem\space may only appear inside weatherblock environment.
4474 }{%
4475 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4476 weatherblock environment may only appear inside frontpage environment.
4477 }%
4478 }
4479 }
4480 \newenvironment{weatherblock}[1]
4481 {
4482 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4483 \setboolean{xepersian@insideweather}{true}
4484 \begin{textblock}{32}(2,38)
4485 \vspace*{-15pt}
4486
4487 \xepersian@weather{\beginR#1\endR}
4488
4489 \vspace*{5pt}
4490
4491 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4492 \begin{minipage}{32\TPHorizModule}
4493 \hspace{5pt}
4494
4495 }{%
4496 \ClassError{xepersian-magazine}{%
4497 weatherblock in a wrong place.\MessageBreak
4498 weatherblock may only appear inside frontpage environment.
4499 }{%
4500 weatherblock may only appear inside frontpage environment.
4501 }
4502 }
4503 }%
4504 {
4505 \end{minipage}
4506 \end{xepersian@fmpage}
4507 \end{textblock}
4508 \setboolean{xepersian@insideweather}{false}
4509 }
4510 \newenvironment{authorblock}[0]
4511 {

```



```

4512 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4513 \begin{textblock}{15}(36,35)
4514 \setlength{\fboxsep}{5pt}
4515 \begin{xepersian@fmpage}{13\TPHorizModule}
4516 \begin{minipage}{13\TPHorizModule}
4517 \centering
4518 \minilogo
4519
4520 }{%else
4521 \ClassError{xepersian-magazine}{%
4522 authorblock in a wrong place.\MessageBreak
4523 authorblock may only appear inside frontpage environment.
4524 }{%
4525 authorblock may only appear inside frontpage environment.
4526 }
4527 }
4528 }
4529 {
4530 \end{minipage}
4531 \end{xepersian@fmpage}
4532 \end{textblock}
4533 }
4534 \newenvironment{indexblock}[1]
4535 {
4536 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4537 \setboolean{xepersian@insideindex}{true}%let's in
4538 \begin{textblock}{15}(36,16)
4539 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4540 \xepersian@indexFrameTitle{#1}
4541
4542 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4543 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4544 \begin{minipage}{\xepersian@indexwidth}
4545 \vspace*{10pt}
4546 }{%else
4547 \ClassError{xepersian-magazine}{%
4548 indexblock in a wrong place.\MessageBreak
4549 indexblock may only appear inside frontpage environment.
4550 }{%
4551 indexblock may only appear inside frontpage environment.
4552 }
4553 }
4554 }%
4555 {
4556 \end{minipage}
4557 \end{xepersian@fmpage}
4558 \end{textblock}
4559 \setboolean{xepersian@insideindex}{false}%let's out
4560 }
4561 \newcommand{\indexitem}[2]

```



```

4562 {
4563 \ifthenelse{\boolean{xepersian@insideindex}}{
4564 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4565
4566 \vspace{0.5cm}
4567
4568 \noindent\ignorespaces@indexEntrySeparator{
4569 }{%else
4570 \ClassError{xepersian-magazine}{%
4571 \protect\indexitem\space in a wrong place.\MessageBreak
4572 \protect\indexitem\space may only appear inside indexblock environment.
4573 }{%
4574 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4575 indexblock environment may only appear inside frontpage environment.
4576 }%
4577 }
4578 }
4579 \newcommand{\xepersian@inexpandedtitle}[1]{
4580 \begin{minipage}{.95\textwidth}
4581 \begin{center}
4582 \noindent\Large\textbf{\beginR#1\endR}
4583 \end{center}
4584 \end{minipage}
4585 }
4586 \newcommand{\expandedtitle}[2]{
4587 \end{multicols}
4588
4589 \begin{center}
4590 \setlength{\fboxsep}{5pt}
4591 \setlength{\shadowsize}{2pt}
4592 \ifthenelse{\equal{#1}{shadowbox}}{%
4593 \shadowbox{%
4594 \xepersian@inexpandedtitle{#2}%
4595 }%
4596 }{}
4597 \ifthenelse{\equal{#1}{doublebox}}{%
4598 \doublebox{%
4599 \xepersian@inexpandedtitle{#2}%
4600 }%
4601 }{}
4602 \ifthenelse{\equal{#1}{ovalbox}}{%
4603 \ovalbox{%
4604 \xepersian@inexpandedtitle{#2}%
4605 }%
4606 }{}
4607 \ifthenelse{\equal{#1}{ovalbox}}{%
4608 \ovalbox{%
4609 \xepersian@inexpandedtitle{#2}%
4610 }%
4611 }{}

```



```

4612 \ifthenelse{\equal{#1}{lines}}{
4613 \hrule
4614 \vspace*{8pt}
4615 \begin{center}
4616 \noindent\Large\textbf{#2}
4617 \end{center}
4618 \vspace*{8pt}
4619 \hrule
4620 }{}
4621 \end{center}
4622
4623 \begin{multicols}{\xepersian@ncolumns{}}
4624 \ifnum \xepersian@ncolumns > \minraggedcols
4625 \raggedFormat
4626 \fi
4627 }
4628 \newcommand{\xepersian@incolumntitle}[2]{
4629 \begin{minipage}{#1}
4630 \begin{center}
4631 \noindent\normalsize\textbf{#2}
4632 \end{center}
4633 \end{minipage}
4634 }
4635
4636 \newcommand{\columnntitle}[2]{
4637 \vspace*{5pt}
4638 \begin{center}
4639 \setlength{\fboxsep}{5pt}
4640 \setlength{\shadowsize}{2pt}
4641 \addtolength{\xepersian@coltitsize}{\columnwidth}
4642 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4643 \addtolength{\xepersian@coltitsize}{-5pt}
4644 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4645 \ifthenelse{\equal{#1}{shadowbox}}{%
4646 \shadowbox{%
4647 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4648 }%
4649 }{}
4650 \ifthenelse{\equal{#1}{doublebox}}{%
4651 \doublebox{%
4652 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4653 }%
4654 }{}
4655 \ifthenelse{\equal{#1}{ovalbox}}{%
4656 \ovalbox{%
4657 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4658 }%
4659 }{}
4660 \ifthenelse{\equal{#1}{ovalbox}}{%
4661 \Ovalbox{%

```



```

4662 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4663 }%
4664 {}
4665 \ifthenelse{\equal{#1}{lines}}{
4666 \hrule
4667 \vspace*{5pt}
4668 \begin{center}
4669 \noindent\normalsize\textbf{#2}
4670 \end{center}
4671 \vspace*{5pt}
4672 \hrule
4673 }{}
4674 \end{center}
4675 }
4676 \renewcommand{\date}{%
4677 \longdate{\today}%
4678 }
4679 \newcommand{\authorandplace}[2]{%
4680 \rightline{%
4681 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
4682 }%
4683 \par %
4684 }
4685 \newcommand{\newsection}[1]{
4686 \renewcommand{\xepersian@section}{#1}
4687 }
4688 \newenvironment{article}[5]
4689 {
4690 \xepersian@say{Adding a new piece of article}
4691 \renewcommand{\xepersian@ncolumns}{#1}
4692 \begin{multicols}{#1}[
4693 \xepersian@pages{#4}
4694 \xepersian@innerTitle{#2}%
4695 \xepersian@innerSubtitle{#3}%
4696 ] [4cm]%
4697 \label{#5}
4698 \ifnum #1 > \minraggedcols
4699 \raggedFormat
4700 \fi
4701 }
4702 {\sim\innerTextFinalMark{}
4703 \end{multicols}
4704 }
4705 \newcommand{\articlesep}{%
4706 \setlength{\xepersian@pageneed}{16000pt}
4707 \setlength{\xepersian@pageleft}{\pagegoal}
4708 \addtolength{\xepersian@pageleft}{-\pagetotal}
4709
4710 \xepersian@say{How much left \the\xepersian@pageleft}
4711

```



```

4712 \ifdim \xepersian@pageneed < \xepersian@pageleft
4713 \xepersian@say{Not enough space}
4714 \else
4715 \xepersian@say{Adding sep line between articles}
4716 \vspace*{10pt plus 10pt minus 5pt}
4717 \hrule
4718 \vspace*{10pt plus 5pt minus 5pt}
4719 \fi
4720
4721 }
4722 \newcommand{\xepersian@editorialTit}[2]{
4723 \setlength{\arrayrulewidth}{.1pt}
4724 \begin{center}
4725 \begin{tabular}{c}
4726 \noindent
4727 \xepersian@editorialTitle{#1}
4728 \vspace{2pt plus 1pt minus 1pt}
4729 \\
4730 \hline
4731 \vspace{2pt plus 1pt minus 1pt}
4732 \\
4733 \editorialAuthorFormat{#2}
4734 \end{tabular}
4735 \end{center}
4736 }
4737 \newenvironment{editorial}[4]
4738 {
4739 \xepersian@say{Adding a new editorial}
4740 \begin{multicols}{#1}[%
4741 \xepersian@editorialTit{#2}{#3}%
4742 ] [4cm]
4743 \label{#4}
4744 \ifnum #1 > \minraggedcols
4745 \raggedFormat
4746 \fi
4747 }
4748 {
4749 \end{multicols}
4750 }
4751 \newcommand{\xepersian@shortarticleTit}[2]{
4752 \begin{center}
4753 \vbox{%
4754 \noindent
4755 \xepersian@shortarticleTitle{#1}
4756 \vspace{4pt plus 2pt minus 2pt}
4757 \hrule
4758 \vspace{4pt plus 2pt minus 2pt}
4759 \xepersian@shortarticleSubtitle{#2}
4760 }
4761 \end{center}

```



```

4762 }
4763 \newenvironment{shortarticle}[4]
4764 {
4765 \xepersian@say{Adding a short article block}
4766 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
4767 \label{#4}
4768 \par %
4769 \ifnum #1 > \minraggedcols
4770 \raggedFormat
4771 \fi
4772 }
4773 {
4774 \end{multicols}
4775 }
4776 \newcommand{\shortarticleitem}[2]{
4777 \goodbreak
4778 \vspace{5pt plus 3pt minus 3pt}
4779 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4780 \vspace{5pt plus 3pt minus 3pt}
4781 {\noindent #2}\\
4782 }

```

## 7.58 xepersian-mathsdigitspec.sty

```

4783 \NeedsTeXFormat{LaTeX2e}
4784 \ProvidesPackage{xepersian-mathsdigitspec}
4785 [2018/01/01 v1.1.5 Unicode Persian maths digits in XeLaTeX]
4786 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4787 \let\newfam\new@mathgroup
4788 \def\select@group#1#2#3#4{%
4789 \ifx\math@bgroup\bggroup\else\relax\expandafter\@firstofone\fi
4790 {%
4791 \ifmmode
4792 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4793 \begingroup
4794 \escapechar\m@ne
4795 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4796 \globaldefs\@ne \math@fonts
4797 \endgroup
4798 \init@restore@version
4799 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4800 {\number\csname c@mv@\math@version\endcsname}}}%
4801 \global\advance\csname c@mv@\math@version\endcsname\@ne
4802 \else
4803 \let#1\relax
4804 \latex@error{Too many math alphabets used in
4805 version \math@version}%
4806 \@eha
4807 \fi
4808 \else \expandafter\non@alpherr\fi

```



```

4809 #1{#4}%
4810 }%
4811 }
4812 \def\document@select@group#1#2#3#4{%
4813 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4814 {%
4815 \ifmmode
4816 \ifnum\csname c@mv@\math@version\endcsname<\cclvi
4817 \begingroup
4818 \escapechar\m@ne
4819 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4820 \globaldefs\@ne \math@fonts
4821 \endgroup
4822 \expandafter\extract@alph@from@version
4823 \csname mv@\math@version\expandafter\endcsname
4824 \expandafter{\number\csname
4825 c@mv@\math@version\endcsname}%
4826 #1%
4827 \global\advance\csname c@mv@\math@version\endcsname\@ne
4828 \else
4829 \let#1\relax
4830 \@latex@error{Too many math alphabets used
4831 in version \math@version}%
4832 \@eha
4833 \fi
4834 \else \expandafter\non@alpherr\fi
4835 #1{#4}%
4836 }%
4837 }
4838 \ExplSyntaxOn
4839 \bool_set_false:N \g__fontspec_math_bool
4840 \tl_map_inline:nn
4841 {
4842 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
4843 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
4844 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4845 \version@list\version@elt\alpha@list\alpha@elt
4846 \restore@mathversion\init@restore@version\dorestore@version\process@table
4847 \new@mathversion\DeclareSymbolFont\group@list\group@elt
4848 \new@symbolfont\SetSymbolFont\SetSymbolFont@\get@cdp
4849 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4850 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4851 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
4852 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
4853 \set@@@mathdelimiter\DeclareMathRadical\mathchar@type
4854 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4855 }
4856 {
4857 \tl_remove_once:Nn \@preamblecmds {\do#1}
4858 }

```



```

4859 \ExplSyntaxOff
4860 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitspec}{#1}}
4861 \newcommand\SetMathCode[4]{%
4862   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4863 \newcommand\SetMathCharDef[4]{%
4864   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4865 \ExplSyntaxOn
4866 \cs_new_eq:NN \orig_mathbf:n \mathbf
4867 \cs_new_eq:NN \orig_mathit:n \mathit
4868 \cs_new_eq:NN \orig_mathrm:n \mathrm
4869 \cs_new_eq:NN \orig_mathsf:n \mathsf
4870 \cs_new_eq:NN \orig_mathtt:n \mathtt
4871 \NewDocumentCommand \new@mathbf { m } {
4872   \orig_mathbf:n {
4873     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4874       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4875     }
4876     #1
4877   }
4878 }
4879 \NewDocumentCommand \new@mathit { m } {
4880   \orig_mathit:n {
4881     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4882       \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4883     }
4884     #1
4885   }
4886 }
4887 \NewDocumentCommand \new@mathrm { m } {
4888   \orig_mathrm:n {
4889     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4890       \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4891     }
4892     #1
4893   }
4894 }
4895 \NewDocumentCommand \new@mathsf { m } {
4896   \orig_mathsf:n {
4897     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4898       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4899     }
4900     #1
4901   }
4902 }
4903 \NewDocumentCommand \new@mathtt { m } {
4904   \orig_mathtt:n {
4905     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4906       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
4907     }
4908     #1

```



```

4909 }
4910 }
4911
4912 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }
4913 {
4914     \_xepersian_main_setmathdigitfont:nnn {#1} {#2} {#3}
4915 }
4916 \cs_set:Nn \_xepersian_main_setmathdigitfont:nnn
4917 {
4918     \let\glb@currsize\relax
4919     \fontspec_set_family:Nnn \g__xepersian_mathdigitsfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4920     \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4921     \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
4922     \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
4923     \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
4924     \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsfamily_tl}
4925     \def\persianmathsfdigits{%
4926     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4927     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4928     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4929     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4930     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
4931     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4932     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4933     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4934     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4935     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4936     \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
4937     \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4938     \tl_set_eq:NN \mathbf \new@mathbf
4939     \tl_set_eq:NN \mathit \new@mathit
4940     \tl_set_eq:NN \mathrm \new@mathrm}
4941 }
4942
4943
4944 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
4945 {
4946     \_xepersian_main_setmathsfdigitfont:nnn {#1} {#2} {#3}
4947 }
4948 \cs_set:Nn \_xepersian_main_setmathsfdigitfont:nnn
4949 {
4950     \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4951     \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsfamily_tl}
4952     \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
4953 }
4954
4955
4956
4957 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }

```



```

4958 {
4959   \_xepersian_main_setmathttdigitfont:nnn {#1} {#2} {#3}
4960 }
4961 \cs_set:Nn \_xepersian_main_setmathttdigitfont:nnn
4962 {
4963   \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4964   \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt
4965   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
4966 }
4967
4968 \ExplSyntaxOff
4969 \ifx\newcommand\undefined\else
4970   \newcommand{\ZifferAn}{}
4971 \fi
4972 \mathchardef\ziffer@DotOri="013A
4973 {\ZifferAn
4974   \catcode`\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4975 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4976 \def\ziffer@check#1#2{%
4977   \ifx\n1\endgroup#1\else
4978     \ifx\n2\endgroup#1\else
4979       \ifx\n3\endgroup#1\else
4980         \ifx\n4\endgroup#1\else
4981           \ifx\n5\endgroup#1\else
4982             \ifx\n6\endgroup#1\else
4983               \ifx\n7\endgroup#1\else
4984                 \ifx\n8\endgroup#1\else
4985                   \ifx\n9\endgroup#1\else
4986                     \ifx\n0\endgroup#1\else
4987                       \ifx\n\overline\endgroup#1\else
4988                         \endgroup#2%
4989                     \fi
4990                 \fi
4991             \fi
4992         \fi
4993     \fi
4994 \fi
4995 \fi
4996 \fi
4997 \fi
4998 \fi
4999 \fi}
5000 \mathcode`\.= "8000\relax
5001 \def\ZifferLeer{\ifx\decimalseparator\undefined .\else \decimalseparator\fi}
5002 \def\DefaultInlineMathsDigits{\def\SetInlineMathsDigits{}}
5003 \def\DefaultDisplayMathsDigits{\def\SetDisplayMathsDigits{}}
5004 \def\DefaultMathsDigits{%
5005   \DefaultInlineMathsDigits%
5006   \DefaultDisplayMathsDigits%
5007 }

```



```

5008 \def\PersianInlineMathsDigits{\def\SetInlineMathsDigits{%
5009 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
5010 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5011 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
5012 \def\PersianDisplayMathsDigits{\def\SetDisplayMathsDigits{%
5013 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
5014 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5015 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
5016 \def\PersianMathsDigits{%
5017   \PersianInlineMathsDigits%
5018   \PersianDisplayMathsDigits%
5019 }
5020 \def\AutoInlineMathsDigits{\def\SetInlineMathsDigits{%
5021 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
5022 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5023 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
5024 \def\AutoDisplayMathsDigits{\def\SetDisplayMathsDigits{%
5025 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
5026 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5027 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
5028 \def\AutoMathsDigits{%
5029   \AutoInlineMathsDigits%
5030   \AutoDisplayMathsDigits%
5031 }
5032 \AutoMathsDigits
5033 \everymath\expandafter{\the\everymath\SetInlineMathsDigits%
5034   \let\SetDisplayMathsDigits\relax%
5035 }
5036 \everydisplay\expandafter{%
5037   \the\everydisplay\SetDisplayMathsDigits%
5038   \let\SetInlineMathsDigits\relax%
5039 }

```

## 7.59 xepersian-multiplechoice.sty

```

5040 \NeedsTeXFormat{LaTeX2e}
5041 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5042   Multiple Choice Questionnaire class for Persian in XeLaTeX]
5043 \RequirePackage{pifont}
5044 \RequirePackage{fullpage}
5045 \RequirePackage{ifthen}
5046 \RequirePackage{calc}
5047 \RequirePackage{verbatim}
5048 \RequirePackage{tabularx}
5049 \def\@headerfont{\bfseries}
5050 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5051 \def\@X{X}
5052 \newcommand\X[1]{\gdef\@X{#1}}
5053 \def\pbs#1{\let\tmp=\#1\let\==\tmp}
5054 \newcolumnntype{D}{>{\pbs\centering}X}

```



```

5055 \newcolumnntype{Q}{>{\@headerfont}X}
5056
5057 \renewcommand\tabularxcolumn[1]{m{#1}}
5058 \newcommand\makeform@nocorrection{%
5059   \addtocontents{frm}{\protect\end{tabularx}}
5060   \@starttoc{frm}}
5061 \newcommand\makeform@correction{%
5062   \addtocontents{frm}{\protect\end{tabularx}}}
5063 \newcommand\makemask@nocorrection{%
5064   \addtocontents{msk}{\protect\end{tabularx}}
5065   \@starttoc{msk}}
5066 \newcommand\makemask@correction{%
5067   \addtocontents{msk}{\protect\end{tabularx}}}
5068 \newlength\questionspace
5069 \setlength\questionspace{0pt}
5070 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5071 \def\@answerstitlefont{\bfseries}
5072 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5073 \def\@answernumberfont{\bfseries}
5074 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5075 \newcounter{question}\stepcounter{question}
5076 \newcounter{@choice}
5077 \def\@initorcheck{%
5078   \xdef\@choices{\the@choice}%
5079   \setcounter{@choice}{1}%
5080   \gdef\@arraydesc{|Q||}%
5081   \gdef\@headerline{}%
5082   \whiledo{\not{\value{@choice}>\@choices}}{
5083     \xdef\@arraydesc{\@arraydesc D|}
5084     \def\@appendheader{\g@addto@macro\@headerline}
5085     \@appendheader{&\protect\@headerfont}
5086     \edef\@the@choice{\alph{@choice}}
5087     \expandafter\@appendheader\@the@choice
5088     \stepcounter{@choice}}%
5089   \addtocontents{frm}{%
5090     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5091     \protect\hline
5092     \@headerline\protect\\protect\hline\protect\hline}%
5093   \addtocontents{msk}{%
5094     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5095     \protect\hline
5096     \@headerline\protect\\protect\hline\protect\hline}%
5097   \gdef\@initorcheck{%
5098     \ifthenelse{\value{@choice} = \@choices}{}%
5099     \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5100       (\the@choice\space instead of \@choices)}{%
5101       Questions must all have the same number of proposed answers.%
5102       \MessageBreak
5103       Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
5104 \newenvironment{question}[1]{%

```



```

5105 %% \begin{question}
5106 \begin{minipage}{\textwidth}
5107   \xdef\@formanswerline{\@questionheader}%
5108   \xdef\@maskanswerline{\@questionheader}%
5109   \fbox{\parbox[c]{\linewidth}{\#1}}
5110   \vspace\questionspace\par
5111   {\@answerstitlefont\@answerstitle}
5112   \begin{list}{\@answernumberfont\alph{\@choice}}~{\usecounter{\@choice}}{ }%
5113 %% \end{question}
5114 \end{list}
5115 \@initorcheck%
5116 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
5117 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
5118 \end{minipage}
5119 \stepcounter{question}}
5120 \def\@truesymbol{\ding{52}~}
5121 \def\@falsesymbol{\ding{56}~}
5122 \newcommand\truesymbol[1]{\gdef\@truesymbol{\#1}}
5123 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{\#1}}
5124 \def\@true@nocorrection{\item}
5125 \def\@false@nocorrection{\item}
5126 \def\@true@correction{\item[\@truesymbol\refstepcounter{\@choice}]}
5127 \def\@false@correction{\item[\@falsesymbol\refstepcounter{\@choice}]}
5128 \newcommand\true{%
5129   \xdef\@formanswerline{\@formanswerline\&}%
5130   \xdef\@maskanswerline{\@maskanswerline\&\@X}%
5131   \@true}%
5132 \newcommand>false{%
5133   \xdef\@formanswerline{\@formanswerline\&}%
5134   \xdef\@maskanswerline{\@maskanswerline\&}%
5135   \@false}%
5136 \def\@correctionstyle{\itshape}
5137 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{\#1}}
5138 \newenvironment{correction}{\@correctionstyle}{ }
5139 \def\@questionheader{ \thequestion}
5140 \answerstitle{ :
5141 \DeclareOption{nocorrection}{%
5142   \let\@true\@true@nocorrection
5143   \let\@false\@false@nocorrection
5144   \let\correction\comment
5145   \let\endcorrection\endcomment
5146   \def\makeform{\makeform@nocorrection}
5147   \def\makemask{\makemask@nocorrection}}
5148 \DeclareOption{correction}{%
5149   \let\@true\@true@correction
5150   \let\@false\@false@correction
5151   \let\correction\@correction
5152   \let\endcorrection\end@correction
5153   \def\makeform{\makeform@correction}
5154   \def\makemask{\makemask@correction}}

```



```

5155 \ExecuteOptions{nocorrection}
5156 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5157 \def\@questiontitlefont{\bfseries}
5158 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5159 \newlength\questiontitlespace
5160 \setlength\questiontitlespace{5pt}
5161 \newlength\questionsepspace
5162 \setlength\questionsepspace{20pt}
5163 \gdef\@questionsepspace{0pt}
5164 \let\old@question\question
5165 \let\old@endquestion\endquestion
5166 \renewenvironment{question}[1]{%
5167   %% \begin{question}
5168   \vspace\@questionsepspace
5169   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5170   \nopagebreak\vspace\questiontitlespace\par
5171   \old@question{#1}}{%
5172   %% \end{question}
5173   \old@endquestion
5174   \gdef\@questionsepspace{\questionsepspace}}
5175 \questiontitle{ \thequestion:}
5176 \ProcessOptions

```

## 7.60 xepersian-persiancal.sty

```

5177 \NeedsTeXFormat{LaTeX2e}
5178 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5179
5180 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5181 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5182 \newcount\XePersian@latini \newcount\XePersian@persiani
5183 \newcount\XePersian@latinii \newcount\XePersian@persianii
5184 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5185 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5186 \newcount\XePersian@latinv \newcount\XePersian@persianv
5187 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5188 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5189 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5190 \newcount\XePersian@latinix \newcount\XePersian@persianix
5191 \newcount\XePersian@latinx \newcount\XePersian@persianx
5192 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5193 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5194 \newcount\XePersian@persianxiii
5195
5196 \newcount\XePersian@temp
5197 \newcount\XePersian@temptwo
5198 \newcount\XePersian@tempthree
5199 \newcount\XePersian@yModHundred
5200 \newcount\XePersian@thirtytwo
5201 \newcount\XePersian@dn

```



```

5202 \newcount\XePersian@sn
5203 \newcount\XePersian@mminusone
5204
5205
5206 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5207 \XePersian@temp=\XePersian@y
5208 \divide\XePersian@temp by 100\relax
5209 \multiply\XePersian@temp by 100\relax
5210 \XePersian@yModHundred=\XePersian@y
5211 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5212 \ifodd\XePersian@yModHundred
5213   \XePersian@leapfalse
5214 \else
5215   \XePersian@temp=\XePersian@yModHundred
5216   \divide\XePersian@temp by 2\relax
5217   \ifodd\XePersian@temp\XePersian@leapfalse
5218   \else
5219     \ifnum\XePersian@yModHundred=0%
5220       \XePersian@temp=\XePersian@y
5221       \divide\XePersian@temp by 400\relax
5222       \multiply\XePersian@temp by 400\relax
5223       \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5224     \else\XePersian@leaptrue
5225     \fi
5226   \fi
5227 \fi
5228 \XePersian@latini=31\relax
5229 \ifXePersian@leap
5230   \XePersian@latinii = 29\relax
5231 \else
5232   \XePersian@latinii = 28\relax
5233 \fi
5234 \XePersian@latiniii = 31\relax
5235 \XePersian@latiniv = 30\relax
5236 \XePersian@latinv = 31\relax
5237 \XePersian@latinvi = 30\relax
5238 \XePersian@latinvii = 31\relax
5239 \XePersian@latinviii = 31\relax
5240 \XePersian@latinix = 30\relax
5241 \XePersian@latinx = 31\relax
5242 \XePersian@latinxi = 30\relax
5243 \XePersian@latinxii = 31\relax
5244 \XePersian@thirtytwo=32\relax
5245 \XePersian@temp=\XePersian@y
5246 \advance\XePersian@temp by -17\relax
5247 \XePersian@temptwo=\XePersian@temp
5248 \divide\XePersian@temptwo by 33\relax
5249 \multiply\XePersian@temptwo by 33\relax
5250 \advance\XePersian@temp by -\XePersian@temptwo
5251 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse

```



```

5252 \else
5253   \XePersian@temptwo=\XePersian@temp
5254   \divide\XePersian@temptwo by 4\relax
5255   \multiply\XePersian@temptwo by 4\relax
5256   \advance\XePersian@temp by -\XePersian@temptwo
5257   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5258 \fi
5259 \XePersian@tempthree=\XePersian@y % Number of Leap years
5260 \advance\XePersian@tempthree by -1
5261 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5262 \divide\XePersian@temp by 4\relax
5263 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5264 \divide\XePersian@temptwo by 100\relax
5265 \advance\XePersian@temp by -\XePersian@temptwo
5266 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5267 \divide\XePersian@temptwo by 400\relax
5268 \advance\XePersian@temp by \XePersian@temptwo
5269 \advance\XePersian@tempthree by -611 % Number of Kabise years
5270 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5271 \divide\XePersian@temptwo by 33\relax
5272 \multiply\XePersian@temptwo by 8\relax
5273 \advance\XePersian@temp by -\XePersian@temptwo
5274 \XePersian@temptwo=\XePersian@tempthree %
5275 \divide\XePersian@temptwo by 33\relax
5276 \multiply\XePersian@temptwo by 33\relax
5277 \advance\XePersian@tempthree by -\XePersian@temptwo
5278 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T)
5279 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5280 \advance\XePersian@temp by -\XePersian@tempthree
5281 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5282 \XePersian@persiani=31
5283 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5284 \XePersian@persianii = 30\relax
5285 \ifXePersian@kabiseh
5286   \XePersian@persianiii = 30\relax
5287 \else
5288   \XePersian@persianiii = 29\relax
5289 \fi
5290 \XePersian@persianiv = 31\relax
5291 \XePersian@persianv = 31\relax
5292 \XePersian@persianvi = 31\relax
5293 \XePersian@persianvii = 31\relax
5294 \XePersian@persianviii = 31\relax
5295 \XePersian@persianix = 31\relax
5296 \XePersian@persianx = 30\relax
5297 \XePersian@persianxi = 30\relax
5298 \XePersian@persianxii = 30\relax
5299 \XePersian@persianxiii = 30\relax
5300 \XePersian@dn= 0\relax
5301 \XePersian@sn= 0\relax

```



```

5302 \XePersian@mminusone=\XePersian@m
5303 \advance\XePersian@mminusone by -1\relax
5304 \XePersian@i=0\relax
5305 \ifnum\XePersian@i < \XePersian@mminusone
5306 \loop
5307 \advance \XePersian@i by 1\relax
5308 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5309 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5310 \fi
5311 \advance \XePersian@dn by \XePersian@d
5312 \XePersian@i=1\relax
5313 \XePersian@sn = \XePersian@persiani
5314 \ifnum \XePersian@sn<\XePersian@dn
5315 \loop
5316 \advance \XePersian@i by 1\relax
5317 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5318 \ifnum \XePersian@sn<\XePersian@dn \repeat
5319 \fi
5320 \ifnum \XePersian@i < 4
5321 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5322 \advance \XePersian@y by -622\relax
5323 \else
5324 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5325 \advance \XePersian@y by -621\relax
5326 \fi
5327 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5328 \endcsname
5329 \ifnum\XePersian@i = 1
5330 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
5331 \else
5332 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5333 \fi
5334 \newcommand*{\persiantoday}{%
5335 \number\XePersian@d\space%
5336 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5337 }
5338 \let\persianyear\XePersian@y
5339 \let\persianmonth\XePersian@m
5340 \let\persianday\XePersian@d
5341 \def\XePersian@persian@month#1{\ifcase#1\or or\
5342 or\
5343 or\ or\
5344 or\
5345 or\ or\
5346 or\ or\
5347 or\ or\
5348 \fi\

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## 8 Change History

v13.1		v13.5	
General: Added implementation of		General: Fixed the extra space after	
the package. . . . .	0	Persian decimal separator. . . .	157
v13.2		v13.6	
General: Replaced <code>\reflect</code> with		General: Used <code>\XeTeXglyphbounds</code>	
<code>\bidi@reflect@box</code> . . . . .	124	to find the true height and depth	
		of the Kashida character. . . . .	85

