Support for the Plex OpenType fonts

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Contents

With our new corporate typeface, IBM Plex, comes a new set of guidance and best practices. IBM typography is international and modern to reflect our brand and our design principles. [2]

1 Introduction

The package `plex-otf` supports all families with specific optional arguments:

name	value	meaning
mono	true/false	use only the IBM Plex Mono
serif	true/false	use only the IBM Plex Serif
sans	true/false	use only the IBM Plex Sans
RM	code	options for IBM Plex Serif
SS	code	options for IBM Plex Sans
TT	code	options for IBM Plex Mono
RMSCfont	font	font name for small caps
SSSCfont	font	font name for small caps
DefaultFeatures	code	for all font styles

For this documentation we use instead:

```
\usepackage[usefilenames,%  Important for xelatex
          RM={Scale=0.94},
          SS={Scale=0.94},
          TT={Scale=MatchLowercase,FakeStretch=0.9},
          DefaultFeatures={Ligatures=Common}]{plex-otf}
```

2 The Glyphs

2.1 Default Serif style

U+0020		!	”	#	$	%	&	’	(	)
U+002a	*	+	,	-	.	/	0	1	2	3
U+0034	4	5	6	7	8	9	:	;	<	=
U+003e	>	?	@	A	B	C	D	E	F	G
U+0048	H	I	J	K	L	M	N	O	P	Q
U+0052	R	S	T	U	V	W	X	Y	Z	[
U+005c	\	]	^	_	'	a	b	c	d	e
U+0066	f	g	h	i	j	k	l	m	n	o
U+0070	p	q	r	s	t	u	v	w	x	y
U+007a	z	{	|	}	~		¡	¢	£	¥
U+00a6	¦	§	¨	©	ª	«	¬	-	®	¯
U+00b0	°	±	²	³	´	µ	¶	·	¸	¹
U+00ba	º	»	¼	½	¾	¿	À	Á	Â	Ã
U+00c4	Ä	Å	Æ	Ç	È	É	Ê	Ë	Ì	Í
U+00ce	Î	Ï	Ð	Ñ	Ò	Ó	Ô	Õ	Ö	×

U+00d8	Ø	Ù	Ú	Û	Ü	Ý	Þ	ß	à	á
U+00e2	â	ã	ä	å	æ	ç	è	é	ê	ë
U+00ec	ì	í	î	ï	ð	ñ	ò	ó	ô	õ
U+00f6	ö	÷	ø	ù	ú	û	ü	ý	þ	ÿ
U+0100	Ā	ā	Ă	ă	Ą	ą	Ć	ć	Ĉ	ĉ
U+010a	Ċ	ċ	Č	č	Ď	ď	Đ	đ	Ē	ē
U+0114	Ĕ	ĕ	Ė	ė	Ę	ę	Ě	ě	Ĝ	ĝ
U+011e	Ğ	ğ	Ġ	ġ	Ģ	ģ	Ĥ	ĥ	Ħ	ħ
U+0128	Ĩ	ĩ	Ī	ī	Ĭ	ĭ	Į	į	İ	ı
U+0132	Ĳ	ĳ	Ĵ	ĵ	Ķ	ķ	ĸ	Ĺ	ĺ	Ļ
U+013c	ļ	Ľ	ľ	Ŀ	ŀ	Ł	ł	Ń	ń	Ņ
U+0146	ņ	Ň	ň	ŉ	Ŋ	ŋ	Ō	ō	Ŏ	ŏ
U+0150	Ő	ő	Œ	œ	Ŕ	ŕ	Ŗ	ŗ	Ř	ř
U+015a	Ś	ś	Ŝ	ŝ	Ş	ş	Š	š	Ţ	ţ
U+0164	Ť	ť	Ŧ	ŧ	Ũ	ũ	Ū	ū	Ŭ	ŭ
U+016e	Ů	ů	Ű	ű	Ų	ų	Ŵ	ŵ	Ŷ	ŷ
U+0178	Ÿ	Ź	ź	Ż	ż	Ž	ž	Ə	ƒ	Ơ
U+01a1	ơ	Ư	ư	Ǻ	ǻ	Ǽ	ǽ	Ǿ	ǿ	Ș
U+0219	ș	Ț	ț	ȷ	ə	ʻ	ʼ	ˆ	ˇ	ˇ
U+02d9	˙	˚	˛	˜	˝	`	´	ˆ	˜	¯
U+0306	˘	˙	¨	¸	˚	˝	ˇ	ʻ	ʼ	ˌ
U+0323	.	,	ˎ	ˏ	π	₿	Ẁ	ẁ	Ẃ	ẃ
U+1e84	Ẅ	ẅ	Ƀ	Ą	ą	Ả	ả	Ấ	ấ	Ầ
U+1ea7	ầ	Ẩ	ẩ	Ẫ	ẫ	Ậ	ậ	Ắ	ắ	Ằ
U+1eb1	ằ	Ẳ	ẳ	Ẵ	ẵ	Ặ	ặ	Ẹ	ẹ	Ẻ
U+1ebb	ẻ	Ẽ	ẽ	Ế	ế	Ề	ề	Ể	ể	Ễ
U+1ec5	ễ	Ệ	ệ	Ỉ	ỉ	Ị	ị	Ọ	ọ	Ỏ
U+1ecf	ỏ	Ố	ố	Ồ	ồ	Ổ	ổ	Ỗ	ỗ	Ộ
U+1ed9	ộ	Ớ	ớ	Ờ	ờ	Ở	ở	Ỡ	ỡ	Ợ
U+1ee3	ợ	Ụ	ụ	Ủ	ủ	Ứ	ứ	Ừ	ừ	Ử
U+1eed	ử	Ữ	ữ	Ự	ự	Ỳ	ỳ	Ỵ	ỵ	Ỷ
U+1ef7	ỷ	Ỹ	ỹ	–	—	'	'	‚	"	"
U+201e	„	†	‡	•	…	‰	‹	›	⁄	⁰
U+2074	⁴	⁵	⁶	⁷	⁸	⁹	₀	₁	₂	₃
U+2084	₄	₅	₆	₇	₈	₉	₡	£	₦	₨
U+20a9	₩	₪	₫	€	₭	₮	₱	₲	₵	
U+20b8	₸	₹	₺	₽	₿	ℓ	№	™	Ω	℮
U+2150	⅐	⅑	⅓	⅔	⅕	⅖	⅗	⅘	⅙	⅚
U+215b	⅛	⅜	⅝	⅞	←	↑	→	↓	↖	↗
U+2198	↘	↙	↰	↱	↵	↳	↶	↷	↺	↻
U+2202	∂	Δ	∏	Σ	−	√	∞	∫	≈	≠
U+2264	≤	≥	◊	⤵	⤴	⤳	⤲	**IBM**	IBM	⬚
U+ece0	C€	FC	˙˙	˙˙	fi	fl	|	ɑ	g	g
U+0f0004	ø	θ	á	ă	â	ä	ą	à	å	ā
U+0f000e	ą	å	å	ã	å	ă	å	å	ã	á
U+0f0018	ą	à	å	ã	ğ	ĝ	ġ	ġ	íj	j

3

U+0f0022	ʒ	ÍJ́	J́	˜	ˊ	˘	˙	˜	˝	˟
U+0f002c	ˏ	˟	ˎ	˜	˭	˟	˜	˜	¯	·
U+0f0036	¨	˝	ˊ	ˋ	ˆ	ˇ	˘	°	˝	ˏ
U+0f0040	˘	˘	˘	˜	˸	˟	˸	ˏ	˟	ˏ
U+0f004a	˟	˭	˟		**IBM**	IBM				

2.2 Default Sans style

U+0020		!	"	#	$	%	&	'	(	)
U+002a	*	+	,	-	.	/	0	1	2	3
U+0034	4	5	6	7	8	9	:	;	<	=
U+003e	>	?	@	A	B	C	D	E	F	G
U+0048	H	I	J	K	L	M	N	O	P	Q
U+0052	R	S	T	U	V	W	X	Y	Z	[
U+005c	\	]	^	_	'	a	b	c	d	e
U+0066	f	g	h	i	j	k	l	m	n	o
U+0070	p	q	r	s	t	u	v	w	x	y
U+007a	z	{	|	}	~		¡	¢	£	¥
U+00a6	¦	§	¨	©	ª	«	¬	-	®	¯
U+00b0	°	±	²	³	´	µ	¶	·	¸	¹
U+00ba	º	»	¼	½	¾	¿	À	Á	Â	Ã
U+00c4	Ä	Å	Æ	Ç	È	É	Ê	Ë	Ì	Í
U+00ce	Î	Ï	Ð	Ñ	Ò	Ó	Ô	Õ	Ö	×
U+00d8	Ø	Ù	Ú	Û	Ü	Ý	Þ	ß	à	á
U+00e2	â	ã	ä	å	æ	ç	è	é	ê	ë
U+00ec	ì	í	î	ï	ð	ñ	ò	ó	ô	õ
U+00f6	ö	÷	ø	ù	ú	û	ü	ý	þ	ÿ
U+0100	Ā	ā	Ă	ă	Ą	ą	Ć	ć	Ĉ	ĉ
U+010a	Ċ	ċ	Č	č	Ď	ď	Đ	đ	Ē	ē
U+0114	Ĕ	ĕ	Ė	ė	Ę	ę	Ě	ě	Ĝ	ĝ
U+011e	Ğ	ğ	Ġ	ġ	Ģ	ģ	Ĥ	ĥ	Ħ	ħ
U+0128	Ĩ	ĩ	Ī	ī	Ĭ	ĭ	Į	į	İ	ı
U+0132	Ĳ	ĳ	Ĵ	ĵ	Ķ	ķ	ĸ	Ĺ	ĺ	Ļ
U+013c	ļ	Ľ	ľ	Ŀ	ŀ	Ł	ł	Ń	ń	Ņ
U+0146	ņ	Ň	ň	ŉ	Ŋ	ŋ	Ō	ō	Ŏ	ŏ
U+0150	Ő	ő	Œ	œ	Ŕ	ŕ	Ŗ	ŗ	Ř	ř
U+015a	Ś	ś	Ŝ	ŝ	Ş	ş	Š	š	Ţ	ţ
U+0164	Ť	ť	Ŧ	ŧ	Ũ	ũ	Ū	ū	Ŭ	ŭ
U+016e	Ů	ů	Ű	ű	Ų	ų	Ŵ	ŵ	Ŷ	ŷ
U+0178	Ÿ	Ź	ź	Ż	ż	Ž	ž	Ə	ƒ	Ơ
U+01a1	ơ	Ư	ư	Ấ	ấ	Ế	ế	Ớ	ớ	Ş
U+0219	ş	Ţ	ţ	Ɉ	ə	ˊ	ˋ	ˆ	ˇ	˘
U+02d9	˙	˚	˛	˜	˝	ˋ	ˊ	ˆ	˜	¯
U+0306	˘	˙	¨	˛	°	˝	ˇ	ˊ	ˋ	ˏ
U+0323	.	,	˳	˛	π	฿	Ẁ	ẁ	Ẃ	ẃ
U+1e84	Ẅ	ẅ	ẞ	Ą	ą	Ả	ả	Ấ	ấ	Ầ

U+1ea7	ầ	Ẩ	ẩ	Ẫ	ẫ	Ậ	ậ	Ắ	ắ	Ằ
U+1eb1	ằ	Ẳ	ẳ	Ẵ	ẵ	Ặ	ặ	Ẹ	ẹ	Ẻ
U+1ebb	ẻ	Ẽ	ẽ	Ế	ế	Ề	ề	Ể	ể	Ễ
U+1ec5	ễ	Ệ	ệ	Ỉ	ỉ	Ị	ị	Ọ	ọ	Ỏ
U+1ecf	ỏ	Ố	ố	Ồ	ồ	Ổ	ổ	Ỗ	ỗ	Ộ
U+1ed9	ộ	Ớ	ớ	Ờ	ờ	Ở	ở	Ỡ	ỡ	Ợ
U+1ee3	ợ	Ụ	ụ	Ủ	ủ	Ứ	ứ	Ừ	ừ	Ử
U+1eed	ử	Ữ	ữ	Ự	ự	Ỳ	ỳ	Ỵ	ỵ	Ỷ
U+1ef7	ỷ	Ỹ	ỹ	–	—	'	'	‚	"	"
U+201e	„	†	‡	•	…	‰	‹	›	⁄	⁰
U+2074	⁴	⁵	⁶	⁷	⁸	⁹	₀	₁	₂	₃
U+2084	₄	₅	₆	₇	₈	₉	₡	£	₦	₨
U+20a9	₩	₪	₫	€	₭	₮	₱	₵	₴	₵
U+20b8	₸	₹	₺	₽	₿	ℓ	№	™	Ω	℮
U+2150	⅐	⅑	⅓	⅔	⅕	⅖	⅗	⅘	⅙	⅚
U+215b	⅛	⅜	⅝	⅞	←	↑	→	↓	↔	↕
U+2196	↖	↗	↘	↙	↤	↦	↰	↱	↵	↳
U+21b6	↶	↷	↺	↻	⇄	⇆	∂	Δ	∏	∑
U+2212	−	√	∞	∫	≈	≠	≤	≥	◊	√
U+274c	✗	⬎	⬏	⬐	⬑	IBM	IBM	IBM	IBM	℠
U+ece0	CE	FC	⸍	⸌	fi	fl	l	ɑ	ɡ	g
U+0f0004	0	0	á	ă	â	ä	ą	à	å	ā
U+0f000e	ɑ	å	ắ	ã	ắ	ằ	ẳ	ẵ	ẫ	ấ
U+0f0018	ậ	ằ	ẳ	ẵ	ğ	ĝ	ġ	ġ	íj	j
U+0f0022	ß	ÍJ	J	˜	˴	˵	ˬ	˳	˜	˟
U+0f002c	˷	˟	˵	˶	˸	˵	˜	˜	˗	˙
U+0f0036	˸	˝	˴	˴	ˆ	ˇ	ˇ	˚	˶	ˏ
U+0f0040	˵	˵	˵	˵	˴	˵	˵	˵	˟	˵
U+0f004a	˵	˸	˵							

2.3 Default Mono style

U+0020		!	″	♯	$	%	&	′	(	)
U+002a	*	+	,	-	.	/	0	1	2	3
U+0034	4	5	6	7	8	9	:	;	<	=
U+003e	>	?	@	A	B	C	D	E	F	G
U+0048	H	I	J	K	L	M	N	O	P	Q
U+0052	R	S	T	U	V	W	X	Y	Z	[
U+005c	\	]	^	_	'	a	b	c	d	e
U+0066	f	g	h	i	j	k	l	m	n	o
U+0070	p	q	ɾ	s	t	u	v	w	x	y
U+007a	z	{	|	}	~		¡	¢	£	¥
U+00a6	¦	§	¨	©	ª	«	¬	-	®	¯
U+00b0	°	±	²	³	´	µ	¶	·	¸	¹
U+00ba	º	»	¼	½	¾	¿	À	Á	Â	Ã
U+00c4	Ä	Å	Æ	Ç	È	É	Ê	Ë	Ì	Í

U+00ce	Î	Ï	Ð	Ñ	Ò	Ó	Ô	Õ	Ö	×
U+00d8	Ø	Ù	Ú	Û	Ü	Ý	Þ	ß	à	á
U+00e2	â	ã	ä	å	æ	ç	è	é	ê	ë
U+00ec	ì	í	î	ï	ð	ñ	ò	ó	ô	õ
U+00f6	ö	÷	ø	ù	ú	û	ü	ý	þ	ÿ
U+0100	Ā	ā	Ă	ă	Ą	ą	Ć	ć	Ĉ	ĉ
U+010a	Ċ	ċ	Č	č	Ď	ď	Đ	đ	Ē	ē
U+0114	Ĕ	ĕ	Ė	ė	Ę	ę	Ě	ě	Ĝ	ĝ
U+011e	Ğ	ğ	Ġ	ġ	Ģ	ģ	Ĥ	ĥ	Ħ	ħ
U+0128	Ĩ	ĩ	Ī	ī	Ĭ	ĭ	Į	į	İ	ı
U+0132	Ĳ	ĳ	Ĵ	ĵ	Ķ	ķ	ĸ	Ĺ	ĺ	Ļ
U+013c	ļ	Ľ	ľ	Ŀ	ŀ	Ł	ł	Ń	ń	Ņ
U+0146	ņ	Ň	ň	ŉ	Ŋ	ŋ	Ō	ō	Ŏ	ŏ
U+0150	Ő	ő	Œ	œ	Ŕ	ŕ	Ŗ	ŗ	Ř	ř
U+015a	Ś	ś	Ŝ	ŝ	Ş	ş	Š	š	Ţ	ţ
U+0164	Ť	ť	Ŧ	ŧ	Ũ	ũ	Ū	ū	Ŭ	ŭ
U+016e	Ů	ů	Ű	ű	Ų	ų	Ŵ	ŵ	Ŷ	ŷ
U+0178	Ÿ	Ź	ź	Ż	ż	Ž	ž	ə	ƒ	ơ
U+01a1	ơ	Ư	ư	Ǻ	ǻ	Ǽ	ǽ	Ǿ	ǿ	Ş
U+0219	ș	Ț	ț	]	ə	ʼ	ʽ	ˆ	ˇ	ˇ
U+02d9	˙	˚	˛	˜	˝	`	´	ˆ	˜	¯
U+0306	˘	˙	¨	˛	˚	˝	ˇ	ˈ	ˌ	ˌ
U+0323	˳	ˌ	ˌ	˓	π	฿	Ẁ	ẁ	Ẃ	ẃ
U+1e84	Ẅ	ẅ	ẞ	Ạ	ạ	Ả	ả	Ấ	ấ	Ầ
U+1ea7	ầ	Ẩ	ẩ	Ẫ	ẫ	Ậ	ậ	Ắ	ắ	Ằ
U+1eb1	ằ	Ẳ	ẳ	Ẵ	ẵ	Ặ	ặ	Ẹ	ẹ	Ẻ
U+1ebb	ẻ	Ẽ	ẽ	Ế	ế	Ề	ề	Ể	ể	Ễ
U+1ec5	ễ	Ệ	ệ	Ỉ	ỉ	Ị	ị	Ọ	ọ	Ỏ
U+1ecf	ỏ	Ố	ố	Ồ	ồ	Ổ	ổ	Ỗ	ỗ	Ộ
U+1ed9	ộ	Ớ	ớ	Ờ	ờ	Ở	ở	Ỡ	ỡ	Ợ
U+1ee3	ợ	Ụ	ụ	Ủ	ủ	Ứ	ứ	Ừ	ừ	Ử
U+1eed	ử	Ữ	ữ	Ự	ự	Ỳ	ỳ	Ỵ	ỵ	Ỷ
U+1ef7	ỷ	Ỹ	ỹ	–	—	'	'	‚	"	"
U+201e	„	†	‡	•	…	‰	‹	›	⁄	⁰
U+2074	⁴	⁵	⁶	⁷	⁸	⁹	₀	₁	₂	₃
U+2084	₄	₅	₆	₇	₈	₉	₡	£	₦	₨
U+20a9	₩	₪	₫	€	₭	₮	₯	₰	₱	₲
U+20b8	₸	₹	₺	₽	₿	ℓ	№	™	Ω	℮
U+2150	⅐	⅑	⅓	⅔	⅕	⅖	⅗	⅘	⅙	⅚
U+215b	⅛	⅜	⅝	⅞	←	↑	→	↓	↔	↕
U+2196	↖	↗	↘	↙	↩	↪	↱	↰	↵	↳
U+21b6	↶	↷	↺	↻	⇄	⇆	∂	Δ	Π	Σ
U+2212	−	√	∞	∫	≈	≠	≤	≥	◊	√
U+274c	✗	↴	↥	↧	↰	℅	ˮ	˯	ﬁ	ﬂ
U+0f0000	█	ɑ	ɡ	g	∅	0	á	ǎ	â	ä
U+0f000a	ą	à	ả	ā	ɑ	å	ấ	ã	ǎ	ă

U+0f0014	ǎ	ǎ	ǎ	á̋	â̧	à̋	å̋	ã̋	ǧ	ĝ
U+0f001e	ǵ	ġ	íj́	j́	ß	ÍJ́	J́	0	1	2
U+0f0028	3	4	5	6	7	8	9	0	1	2
U+0f0032	3	4	5	6	7	8	9	˜	ˊ	˘
U+0f003c	ˬ	˯	˷	˟	˟	˟	˟	˟	˟	˟
U+0f0046	˜	˜	˗	·	··	ˮ	ˏ	ˋ	ˆ	ˇ
U+0f0050	˘	˚	˶	˒	˯	˯	˯	˷	˟	˟
U+0f005a	˟	˟	˟	˟	˟	˟	˟			

3 Features

3.1 Alternate styles

The stylistic sets are available for example by

```
\usepackage[...,
          RM={StylisticSet=1},
          ...]{plex-otf}
```

3.1.1 StylisticSet=1: simple lowercase a

(Default aàáâãäåāăą) and aàáâãäåāăą

3.1.2 StylisticSet=2: simple lowercase g

(Default g) and g

3.1.3 StylisticSet=3: slashed zero

(Default 0) and 0

3.1.4 StylisticSet=4: dotted zero

(Default 0) and 0

3.1.5 StylisticSet=4: special lowercaswe eszett

(Default ß) and ß

3.2 Captital german eszett

It is available with \SS→ẞ

3.3 Vertical position

plex-otf-1

```
\usepackage{plex-otf}
```

```
{\addfontfeature{VerticalPosition=Superior}
Superior: 1234567890\par}
{\addfontfeatures{VerticalPosition=Numerator}
Numerator: 1234567890\par}
{\addfontfeatures{VerticalPosition=Denominator}
Denominator: 1234567890\par}
\addfontfeatures{VerticalPosition=ScientificInferior}
Scientific Inferior: 1234567890
```

> Superior: 1234567890
> Numerator: 1234567890
> Denominator: 1234567890
> Scientific Inferior: 1234567890

3.4 Fractions

plex-otf-2

```
\usepackage[usefilenames]{plex-otf}
```

```
1/3 2/3 1/5 2/5 \ldots \par
\addfontfeatures{Fractions=On}
1/3 2/3 1/5 2/5 3/5 4/5 1/6 5/6 1/7 1/9 1/8 3/8 5/8 7/8\par
123456/3215731
```

> 1/3 2/3 1/5 2/5 ...
> ⅓ ⅔ ⅕ ⅖ ⅗ ⅘ ⅙ ⅚ ⅐ ⅑ ⅛ ⅜ ⅝ ⅞
> $^{123456}/_{3215731}$

4 Font macros

The package defines the following macros which sets only the regular and italic font or the bold and bold italic font.

Serif:	Sans Serif:	Mono:
\PlexExtraLightRM	\PlexExtraLightSS	\PlexExtraLightTT
\PlexLightRM	\PlexLightSS	\PlexLightTT
\PlexThinRM	\PlexThinSS	\PlexThinTT
\PlexMediumRM	\PlexMediumSS	\PlexMediumTT
\PlexTextRM	\PlexTextSS	\PlexTextTT
\PlexSemiBoldRM	\PlexSemiBoldSS	\PlexSemiBoldTT

These macros refer to the following styles:

ExtraLight	Upright, Italic
Light	Upright, Italic
Thin	Upright, Italic
Medium	Upright, Italic
Text	Upright, Italic
SemiBold	Bold, BoldItalic

```
\usepackage{plex-otf}
```

plex-otf-3

```
\demo\ Regular\par {\PlexTextRM\demo\ Text\par} {\PlexLightRM\demo\ Light\par}
{\PlexExtraLightRM\demo\ ExtraLight\par} {\PlexThinRM\demo\ Thin}
```

Some text in the default font style IBM Plex Serif Regular
Some text in the default font style IBM Plex Serif Text
Some text in the default font style IBM Plex Serif Light
Some text in the default font style IBM Plex Serif ExtraLight
Some text in the default font style IBM Plex Serif Thin

5 Special symbols

```
\IBM     → IBM        \upleftarrow   → ↰
\IBM[1] → IBM         \uprightarrow  → ↱
\IBM[2] → IBM         \downleftarrow → ↲
\IBM[3] → IBM         \downrightarrow→ ↳
\IBM[4] → ⸮           \leftturn      → ↺
\CE      → CE         \rightturn     → ↻
\FCC     → FC         \fullleftturn  → ↺
                      \fullrightturn → ↻
```

6 Examples without special Settings

6.1 The default

By default the Plex font family has no small caps and no special slanted version.

```
\usepackage[usefilenames]{plex-otf}
```

```
\blindtext
```

```
\rmfamily \normalfont: Sphinx of black quartz judge my vow. 01234567890
    \bfseries: Voyez le brick géant que j'examine près du wharf.
    \itshape: Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jo-
deln.
    \bfseries\itshape: Pójdźże, kiń tę chmurność w głąb flaszy!

\sffamily \normalfont: Sphinx of black quartz judge my vow. 01234567890
    \bfseries: Voyez le brick géant que j'examine près du wharf.
    \itshape: Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jo-
deln.
    \bfseries\itshape: Pójdźże, kiń tę chmurność w głąb flaszy!

\ttfamily \normalfont: Sphinx of black quartz judge my vow.
01234567890
    \bfseries: Voyez le brick géant que j'examine près du wharf.
    \itshape: Vom Ödipuskomplex maßlos gequält, übt Wilfried
zyklisches Jodeln.
    \bfseries\itshape: Pójdźże, kiń tę chmurność w głąb flaszy!
```

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6.2 Semibold

```
\usepackage[usefilenames,
  RMstyle=Semibold,
  SSstyle=Semibold,
  TTstyle=Semibold]{plex-otf}
```

plex-otf-5

```
\blindtext
```

\rmfamily \normalfont: Sphinx of black quartz judge my vow. 01234567890
    \bfseries: **Voyez le brick géant que j'examine près du wharf.**
    \itshape: *Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.*
    \bfseries\itshape: ***Pójdźże, kiń tę chmurność w głąb flaszy!***

\sffamily \normalfont: Sphinx of black quartz judge my vow. 01234567890
    \bfseries: **Voyez le brick géant que j'examine près du wharf.**
    \itshape: *Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.*
    \bfseries\itshape: ***Pójdźże, kiń tę chmurność w głąb flaszy!***

\ttfamily \normalfont: Sphinx of black quartz judge my vow. 01234567890
    \bfseries: **Voyez le brick géant que j'examine près du wharf.**
    \itshape: *Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.*
    \bfseries\itshape: ***Pójdźże, kiń tę chmurność w głąb flaszy!***

6.3 Thin

This makes only sense with the the Semibold feature or not using bold characters.

```
\usepackage[usefilenames,
  RMstyle=Thin,
  SSstyle=Thin,
  TTstyle=Thin]{plex-otf}
```

plex-otf-6

```
\blindtext
```

10

```
\rmfamily \normalfont: Sphinx of black quartz judge my vow. 01234567890
    \itshape: Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.

\sffamily \normalfont: Sphinx of black quartz judge my vow. 01234567890
    \itshape: Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jo-
deln.

\ttfamily \normalfont: Sphinx of black quartz judge my vow.
01234567890
    \itshape: Vom Ödipuskomplex maßlos gequält, übt Wilfried
zyklisches Jodeln.
```

6.4 Extra Light

This makes only sense with the the Semibold feature or not using bold characters.

```
\usepackage[usefilenames,
  RMstyle=ExtraLight,
  SSstyle=ExtraLight,
  TTstyle=ExtraLight]{plex-otf}
```

```
\blindtext
```

```
\rmfamily \normalfont: Sphinx of black quartz judge my vow. 01234567890
    \itshape: Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.

\sffamily \normalfont: Sphinx of black quartz judge my vow. 01234567890
    \itshape: Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jo-
deln.

\ttfamily \normalfont: Sphinx of black quartz judge my vow.
01234567890
    \itshape: Vom Ödipuskomplex maßlos gequält, übt Wilfried
zyklisches Jodeln.
```

6.5 Light

This makes only sense with the the Semibold feature or not using bold characters.

```
\usepackage[usefilenames,
  RMstyle=Light,
  SSstyle=Light,
  TTstyle=Light]{plex-otf}
```

```
\blindtext
```

\rmfamily \normalfont: Sphinx of black quartz judge my vow. 01234567890
    \itshape: *Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.*

\sffamily \normalfont: Sphinx of black quartz judge my vow. 01234567890
    \itshape: *Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.*

\ttfamily \normalfont: Sphinx of black quartz judge my vow. 01234567890
    \itshape: *Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.*

6.6 Medium

This makes sense with the the `Semibold` feature.

```
\usepackage[usefilenames,
  RMstyle={Medium,Semibold},
  SSstyle={Medium,Semibold},
  TTstyle={Medium,Semibold}]{plex-otf}
```

```
\blindtext
```

\rmfamily \normalfont: Sphinx of black quartz judge my vow. 01234567890
    \bfseries: Voyez le brick géant que j'examine près du wharf.
    \itshape: *Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.*
    \bfseries\itshape: ***Pójdźże, kiń tę chmurność w głąb flaszy!***

\sffamily \normalfont: Sphinx of black quartz judge my vow. 01234567890
    \bfseries: **Voyez le brick géant que j'examine près du wharf.**
    \itshape: *Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.*
    \bfseries\itshape: ***Pójdźże, kiń tę chmurność w głąb flaszy!***

\ttfamily \normalfont: Sphinx of black quartz judge my vow. 01234567890
    \bfseries: **Voyez le brick géant que j'examine près du wharf.**
    \itshape: *Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.*
    \bfseries\itshape: ***Pójdźże, kiń tę chmurność w głąb flaszy!***

6.7 Text

This makes sense with the the `Semibold` feature.

```
\usepackage[usefilenames,
  RMstyle={Text,Semibold},
  SSstyle={Text,Semibold},
  TTstyle={Text,Semibold}]{plex-otf}
```

`\blindtext`

`\rmfamily \normalfont`: Sphinx of black quartz judge my vow. 01234567890
    `\bfseries`: **Voyez le brick géant que j'examine près du wharf.**
    `\itshape`: *Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.*
    `\bfseries\itshape`: ***Pójdźże, kiń tę chmurność w głąb flaszy!***

`\sffamily \normalfont`: Sphinx of black quartz judge my vow. 01234567890
    `\bfseries`: **Voyez le brick géant que j'examine près du wharf.**
    `\itshape`: *Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.*
    `\bfseries\itshape`: ***Pójdźże, kiń tę chmurność w głąb flaszy!***

`\ttfamily \normalfont`: Sphinx of black quartz judge my vow. 01234567890
    `\bfseries`: **Voyez le brick géant que j'examine près du wharf.**
    `\itshape`: *Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.*
    `\bfseries\itshape`: ***Pójdźże, kiń tę chmurność w głąb flaszy!***

---

7 Examples with using Small Caps fonts

As already mentioned, the Plex font family has no small caps. If you need one then you can define another font for the small caps. If the font has to structure like the TEX Gyre fonts:

```
texgyreheros-regular.otf
texgyreheros-bold.otf
texgyreheros-italic.otf
texgyreheros-bolditalic.otf
```

then you have to define all combinations yourself

```
\usepackage[SS={  SmallCapsFont = texgyreheros-regular,
    SmallCapsFeatures = {Letters=SmallCaps,Scale=MatchUppercase},
        BoldFeatures = { SmallCapsFont=texgyreheros-bold},
      ItalicFeatures = { SmallCapsFont=texgyreheros-italic},
    BoldItalicFeatures= { SmallCapsFont=texgyreheros-bolditalic}}]{plex-otf}
```

```
\usepackage[usefilenames,
  RMSCfont=texgyretermes,
  SSSCfont=texgyreheros]{plex-otf}
```

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`\blindtext`

\rmfamily \normalfont: Sphinx of black quartz judge my vow. 01234567890 Sᴘʜɪɴx ᴏғ ʙʟᴀᴄᴋ ǫᴜᴀʀᴛᴢ ᴊᴜᴅɢᴇ ᴍʏ ᴠᴏᴡ.

\bfseries: **Voyez le brick géant que j'examine près du wharf.** **Vᴏʏᴇᴢ ʟᴇ ʙʀɪᴄᴋ ɢᴇ́ᴀɴᴛ ǫᴜᴇ ᴊ'ᴇxᴀᴍɪɴᴇ ᴘʀᴇ̀s ᴅᴜ ᴡʜᴀʀғ.**

\itshape: *Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.* *Vᴏᴍ Öᴅɪᴘᴜsᴋᴏᴍᴘʟᴇx ᴍᴀssʟᴏs ɢᴇǫᴜᴀ̈ʟᴛ, ᴜ̈ʙᴛ Wɪʟғʀɪᴇᴅ ᴢʏᴋʟɪsᴄʜᴇs Jᴏᴅᴇʟɴ.*

\bfseries\itshape: ***Pójdźże, kiń tę chmurność w głąb flaszy!*** *Pᴏ́ᴊᴅᴢ́ᴢ̇ᴇ, ᴋɪɴ́ ᴛᴇ̨ ᴄʜᴍᴜʀɴᴏśᴄ́ ᴡ ɢʟ̨ᴀʙ ғʟᴀsᴢʏ!*

\sffamily \normalfont: Sphinx of black quartz judge my vow. 01234567890 Sᴘʜɪɴx ᴏғ ʙʟᴀᴄᴋ ǫᴜᴀʀᴛᴢ ᴊᴜᴅɢᴇ ᴍʏ ᴠᴏᴡ.

\bfseries: **Voyez le brick géant que j'examine près du wharf.** **Vᴏʏᴇᴢ ʟᴇ ʙʀɪᴄᴋ ɢᴇ́ᴀɴᴛ ǫᴜᴇ ᴊ'ᴇxᴀᴍɪɴᴇ ᴘʀᴇ̀s ᴅᴜ ᴡʜᴀʀғ.**

\itshape: *Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.* *Vᴏᴍ Öᴅɪᴘᴜsᴋᴏᴍᴘʟᴇx ᴍᴀssʟᴏs ɢᴇǫᴜᴀ̈ʟᴛ, ᴜ̈ʙᴛ Wɪʟғʀɪᴇᴅ ᴢʏᴋʟɪsᴄʜᴇs Jᴏᴅᴇʟɴ.*

\bfseries\itshape: ***Pójdźże, kiń tę chmurność w głąb flaszy!*** ***Pᴏ́ᴊᴅᴢ́ᴢ̇ᴇ, ᴋɪɴ́ ᴛᴇ̨ ᴄʜᴍᴜʀɴᴏśᴄ́ ᴡ ɢʟ̨ᴀʙ ғʟᴀsᴢʏ!***

```
\ttfamily \normalfont: Sphinx of black quartz judge my vow.
01234567890
```
\bfseries: **Voyez le brick géant que j'examine près du wharf.**

\itshape: *Vom Ödipuskomplex maßlos gequält, übt Wilfried zyklisches Jodeln.*

\bfseries\itshape: ***Pójdźże, kiń tę chmurność w głąb flaszy!***

---

8 Closing

The font list of this documentation is:

```
CMSY10  Type 1 Builtin
IBMPlexMono-Bold        CID Type 0C
IBMPlexMono-BoldItalic  CID Type 0C
IBMPlexMono     CID Type 0C
IBMPlexMono-ExtraLight  CID Type 0C
IBMPlexMono-ExtraLightItalic    CID Type 0C
IBMPlexMono-Italic      CID Type 0C
IBMPlexMono-Light       CID Type 0C
IBMPlexMono-LightItalic CID Type 0C
IBMPlexMono-Medium      CID Type 0C
IBMPlexMono-MediumItalic        CID Type 0C
IBMPlexMono-SemiBold    CID Type 0C
IBMPlexMono-SemiBoldItalic      CID Type 0C
IBMPlexMono-Text        CID Type 0C
IBMPlexMono-TextItalic  CID Type 0C
IBMPlexMono-Thin        CID Type 0C
IBMPlexMono-ThinItalic  CID Type 0C
IBMPlexSans-Bold        CID Type 0C
```

```
IBMPlexSans-BoldItalic  CID Type 0C
IBMPlexSans     CID Type 0C
IBMPlexSans-ExtraLight  CID Type 0C
IBMPlexSans-ExtraLightItalic    CID Type 0C
IBMPlexSans-Italic      CID Type 0C
IBMPlexSans-Light       CID Type 0C
IBMPlexSans-LightItalic CID Type 0C
IBMPlexSans-Medium      CID Type 0C
IBMPlexSans-MediumItalic        CID Type 0C
IBMPlexSans-SemiBold    CID Type 0C
IBMPlexSans-SemiBoldItalic      CID Type 0C
IBMPlexSans-Text        CID Type 0C
IBMPlexSans-TextItalic  CID Type 0C
IBMPlexSans-Thin        CID Type 0C
IBMPlexSans-ThinItalic  CID Type 0C
IBMPlexSerif-Bold       CID Type 0C
IBMPlexSerif-BoldItalic CID Type 0C
IBMPlexSerif    CID Type 0C
IBMPlexSerif-ExtraLight CID Type 0C
IBMPlexSerif-ExtraLightItalicPS CID Type 0C
IBMPlexSerif-Italic     CID Type 0C
IBMPlexSerif-Light      CID Type 0C
IBMPlexSerif-LightItalic        CID Type 0C
IBMPlexSerif-Medium     CID Type 0C
IBMPlexSerif-MediumItalic       CID Type 0C
IBMPlexSerif-SemiBoldItalic     CID Type 0C
IBMPlexSerif-SemiBoldPS CID Type 0C
IBMPlexSerif-Text       CID Type 0C
IBMPlexSerif-TextItalic CID Type 0C
IBMPlexSerif-Thin       CID Type 0C
IBMPlexSerif-ThinItalic CID Type 0C
LinLibertineO   CID Type 0C
TeXGyreHeros-Bold       CID Type 0C
TeXGyreHeros-BoldItalic CID Type 0C
TeXGyreHeros-Italic     CID Type 0C
TeXGyreHeros-Regular    CID Type 0C
TeXGyreTermes-Bold      CID Type 0C
TeXGyreTermes-BoldItalic        CID Type 0C
TeXGyreTermes-Italic    CID Type 0C
TeXGyreTermes-Regular   CID Type 0C
```

References

[1] freedesktop.org. *Fontconfig. A library for configuring and customizing font access*. June 15, 2016. URL: https://www.freedesktop.org/wiki/Software/fontconfig/ (visited on 03/18/2017).

[2] James Y Rauhut. *The package of IBM's new typeface, IBM Plex, and accompanying typography code*. Nov. 1, 2017. URL: https://ibm.github.io/type (visited on 11/13/2017).

[3] Wikipedia. *List of typographic features*. Feb. 21, 2017. URL: https://en.wikipedia.org/wiki/List_of_typographic_features (visited on 03/24/2017).