

Using Chivo fonts with LaTeX*

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Abstract

This package provides the necessary files to use the Chivo fonts with LaTeX. Chivo is a set of eight fonts provided by Héctor Gatti & Omnibus-Type Team under the Open Font License (OFL).

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1 Introduction

Chivo¹ is a set of eight fonts created by Héctor Gatti & Omnibus-Type Team and provided by Omnibus-Type under the SIL Open Font License, Version 1.1. From the web page:

“Chivo is a grotesque typeface. The strength of Chivo makes it ideal for highlights and headlines. Chivo Regular’s elegance is ideal for combining with Chivo Black’s strength and for continuous reading settings.”

The fonts were obtained from Omni-Type web page². (v1.003, 8 fonts, 335 glyphs each).

2 Installation

I suggest you use MikTeX or TeXlive and wait until the fonts are distributed for your TeX installation via their package manager.

3 Usage

The fonts can be used with traditional (pdf)TeX engine and newer XeTeX and LuaTeX engines which can access OTF fonts directly. They are described below. In general, this bundle tries not to be smart and loads only kvoptions.sty, mweights.sty or fontspec.sty, depending on the used engine. As the result, some work must be done by the user.

3.1 Engine independent options

A package Chivo.sty is provided which can be loaded in the preamble as usual:

```
\usepackage{Chivo}
```

Loading the package changes the document’s sans serif font to Chivo. The package offers some options.

regular | light

The default font series is set with one of regular or light – regular is the default. Note that these options are defined as complementary ones. Setting one option to ‘false’ sets the other one automatically to ‘true’, i.e.

```
\usepackage[regular = false]{Chivo}  
or  
\usepackage[light = true] {Chivo}
```

have the same effect.

bold | black

The default bold series is set with one of bold or black – bold is the default. Again, these options are complementary as well.

familydefault

The main font of a document can be switched to Chivo with package option familydefault or familydefault=true, e.g.:

1. Copyright © 2011–2015, Omnibus-Type (<http://www.omnibus-type.com>)
2. <http://http://omnibus-type.com/fonts/chivo.php>

```
\usepackage[familydefault]{Chivo}
```

opentype | type1 If the automatic engine detection fails, it can be specified by the user with one of opentype or type1. Note that these option do not take a boolean value true or false.

3.2 (pdf)LaTeX specific option

scale The size of the Chivo fonts can be adjusted with the scale option, e.g.:

```
\usepackage[scale=0.97]{Chivo}
```

OT1, LY1, T1 and TS1 encodings are supported. Chivo.sty does not load the respective packages, it is up to user to load them, e.g.:

```
\usepackage[T1]{fontenc}
\usepackage{Chivo}
\usepackage{textcomp}
```

3.3 XeLaTeX and LuaLaTeX specific options

These engines can access OTF fonts directly. The standard interface for this purpose is fontspec.sty³. Chivo.sty detects if XeLaTeX or LuaLaTeX is used and based on options given by regular|light and/or bold|black, it uses \defaultfeature to define Chivo and passes it to \setsansfont, e.g.:

```
\defaultfontfeatures[Chivo]
{
  Extension      = .otf           ,
  BoldFont       = Chivo-Black    ,
  ItalicFont     = Chivo-LightItalic ,
  BoldItalicFont = Chivo-BlackItalic ,
  UprightFont    = Chivo-Light
}
\AtBeginDocument{\setsansfont{Chivo}}
```

The scale package option does not work with fontspec.sty. This and any other fontspec.sty option can be set with \defaultfeature+, e.g.:

```
\usepackage{fontspec}
\usepackage{Chivo}
\defaultfontfeatures+[Chivo]
{
  Ligatures = TeX           ,
  Scale     = MatchLowercase ,
  Color     = blue
}
```

3. <http://ctan.org/pkg/fontspec>

4 OT1 encoding font table

	'0	'1	'2	'3	'4	'5	'6	'7	
'00x	0	Δ ₁	2	3	4	5	6	7	~0x
'01x	8	9	Ω ₁₀	11	12	13	14	15	
'02x	l ₁₆	J ₁₇	` ₁₈	' ₁₉	˘ ₂₀	˘ ₂₁	- ₂₂	° ₂₃	~1x
'03x	˘ ₂₄	β ₂₅	æ ₂₆	œ ₂₇	ø ₂₈	Æ ₂₉	Œ ₃₀	Ø ₃₁	
'04x	32	! ₃₃	" ₃₄	# ₃₅	\$ ₃₆	% ₃₇	& ₃₈	' ₃₉	~2x
'05x	(₄₀)	)₄₁	* ₄₂	+ ₄₃	, ₄₄	- ₄₅	. ₄₆	/ ₄₇	
'06x	0 ₄₈	1 ₄₉	2 ₅₀	3 ₅₁	4 ₅₂	5 ₅₃	6 ₅₄	7 ₅₅	~3x
'07x	8 ₅₆	9 ₅₇	: ₅₈	; ₅₉	j ₆₀	= ₆₁	¿ ₆₂	? ₆₃	
'10x	@ ₆₄	A ₆₅	B ₆₆	C ₆₇	D ₆₈	E ₆₉	F ₇₀	G ₇₁	~4x
'11x	H ₇₂	I ₇₃	J ₇₄	K ₇₅	L ₇₆	M ₇₇	N ₇₈	O ₇₉	
'12x	P ₈₀	Q ₈₁	R ₈₂	S ₈₃	T ₈₄	U ₈₅	V ₈₆	W ₈₇	~5x
'13x	X ₈₈	Y ₈₉	Z ₉₀	[₉₁	" ₉₂	]₉₃	^ ₉₄	' ₉₅	
'14x	' ₉₆	a ₉₇	b ₉₈	c ₉₉	d ₁₀₀	e ₁₀₁	f ₁₀₂	g ₁₀₃	~6x
'15x	h ₁₀₄	i ₁₀₅	j ₁₀₆	k ₁₀₇	l ₁₀₈	m ₁₀₉	n ₁₁₀	o ₁₁₁	
'16x	p ₁₁₂	q ₁₁₃	r ₁₁₄	s ₁₁₅	t ₁₁₆	u ₁₁₇	v ₁₁₈	w ₁₁₉	~7x
'17x	x ₁₂₀	y ₁₂₁	z ₁₂₂	- ₁₂₃	— ₁₂₄	" ₁₂₅	~ ₁₂₆	¨ ₁₂₇	
'20x	fi ₁₂₈	fl ₁₂₉	130	131	132	133	134	135	~8x
'21x	136	137	138	139	140	141	142	143	
	~8	~9	~A	~B	~C	~D	~E	~F	

5 LY1 encoding font table

	0	1	2	3	4	5	6	7	
'00x	fi ₀	€ ₁	fl ₂	3	/ ₄	· ₅	ˆ ₆	˙ ₇	~0x
'01x	8	9	10	11	12	13	14	15	
'02x	l ₁₆	j ₁₇	` ₁₈	' ₁₉	˘ ₂₀	˙ ₂₁	˚ ₂₂	° ₂₃	~1x
'03x	ı ₂₄	ß ₂₅	æ ₂₆	œ ₂₇	ø ₂₈	Æ ₂₉	Œ ₃₀	Ø ₃₁	
'04x	32	! ₃₃	" ₃₄	# ₃₅	\$ ₃₆	% ₃₇	& ₃₈	' ₃₉	~2x
'05x	(₄₀)	)₄₁	* ₄₂	+ ₄₃	, ₄₄	- ₄₅	· ₄₆	/ ₄₇	
'06x	0 ₄₈	1 ₄₉	2 ₅₀	3 ₅₁	4 ₅₂	5 ₅₃	6 ₅₄	7 ₅₅	~3x
'07x	8 ₅₆	9 ₅₇	: ₅₈	; ₅₉	< ₆₀	= ₆₁	> ₆₂	? ₆₃	
'10x	@ ₆₄	A ₆₅	B ₆₆	C ₆₇	D ₆₈	E ₆₉	F ₇₀	G ₇₁	~4x
'11x	H ₇₂	I ₇₃	J ₇₄	K ₇₅	L ₇₆	M ₇₇	N ₇₈	O ₇₉	
'12x	P ₈₀	Q ₈₁	R ₈₂	S ₈₃	T ₈₄	U ₈₅	V ₈₆	W ₈₇	~5x
'13x	X ₈₈	Y ₈₉	Z ₉₀	[₉₁	\ ₉₂	]₉₃	^ ₉₄	_ ₉₅	
'14x	' ₉₆	a ₉₇	b ₉₈	c ₉₉	d ₁₀₀	e ₁₀₁	f ₁₀₂	g ₁₀₃	~6x
'15x	h ₁₀₄	i ₁₀₅	j ₁₀₆	k ₁₀₇	l ₁₀₈	m ₁₀₉	n ₁₁₀	o ₁₁₁	
'16x	p ₁₁₂	q ₁₁₃	r ₁₁₄	s ₁₁₅	t ₁₁₆	u ₁₁₇	v ₁₁₈	w ₁₁₉	~7x
'17x	x ₁₂₀	y ₁₂₁	z ₁₂₂	{ ₁₂₃	|₁₂₄	} ₁₂₅	~ ₁₂₆	¨ ₁₂₇	
'20x	ł ₁₂₈	' ₁₂₉	, ₁₃₀	f ₁₃₁	„ ₁₃₂	… ₁₃₃	† ₁₃₄	‡ ₁₃₅	~8x
'21x	^ ₁₃₆	% ₁₃₇	Š ₁₃₈	‹ ₁₃₉	Œ ₁₄₀	Ž ₁₄₁	∧ ₁₄₂	— ₁₄₃	
'22x	ł ₁₄₄	' ₁₄₅	' ₁₄₆	“ ₁₄₇	” ₁₄₈	• ₁₄₉	— ₁₅₀	— ₁₅₁	~9x
'23x	˜ ₁₅₂	™ ₁₅₃	š ₁₅₄	› ₁₅₅	œ ₁₅₆	ž ₁₅₇	~ ₁₅₈	ÿ ₁₅₉	
'24x	160	j ₁₆₁	č ₁₆₂	£ ₁₆₃	¤ ₁₆₄	¥ ₁₆₅	ı ₁₆₆	§ ₁₆₇	~Ax
'25x	¨ ₁₆₈	© ₁₆₉	ª ₁₇₀	« ₁₇₁	¬ ₁₇₂	- ₁₇₃	® ₁₇₄	¯ ₁₇₅	
'26x	° ₁₇₆	± ₁₇₇	² ₁₇₈	³ ₁₇₉	´ ₁₈₀	μ ₁₈₁	¶ ₁₈₂	· ₁₈₃	~Bx
'27x	ı ₁₈₄	¹ ₁₈₅	º ₁₈₆	» ₁₈₇	¼ ₁₈₈	½ ₁₈₉	¾ ₁₉₀	¿ ₁₉₁	
'30x	À ₁₉₂	Á ₁₉₃	Â ₁₉₄	Ã ₁₉₅	Ä ₁₉₆	Å ₁₉₇	Æ ₁₉₈	Ç ₁₉₉	~Cx
'31x	È ₂₀₀	É ₂₀₁	Ê ₂₀₂	Ë ₂₀₃	Ì ₂₀₄	Í ₂₀₅	Î ₂₀₆	Ï ₂₀₇	
'32x	Ð ₂₀₈	Ñ ₂₀₉	Ò ₂₁₀	Ó ₂₁₁	Ô ₂₁₂	Õ ₂₁₃	Ö ₂₁₄	× ₂₁₅	~Dx
'33x	Ø ₂₁₆	Ù ₂₁₇	Ú ₂₁₈	Û ₂₁₉	Ü ₂₂₀	Ý ₂₂₁	Þ ₂₂₂	ß ₂₂₃	
'34x	à ₂₂₄	á ₂₂₅	â ₂₂₆	ã ₂₂₇	ä ₂₂₈	å ₂₂₉	æ ₂₃₀	ç ₂₃₁	~Ex
'35x	è ₂₃₂	é ₂₃₃	ê ₂₃₄	ë ₂₃₅	ì ₂₃₆	í ₂₃₇	î ₂₃₈	ï ₂₃₉	
'36x	ð ₂₄₀	ñ ₂₄₁	ò ₂₄₂	ó ₂₄₃	ô ₂₄₄	õ ₂₄₅	ö ₂₄₆	÷ ₂₄₇	~Fx
'37x	ø ₂₄₈	ù ₂₄₉	ú ₂₅₀	û ₂₅₁	ü ₂₅₂	ý ₂₅₃	þ ₂₅₄	ÿ ₂₅₅	
	~8	~9	~A	~B	~C	~D	~E	~F	

6 T1 encoding font table

	'0	'1	'2	'3	'4	'5	'6	'7	
'00x	` 0	' 1	^ 2	~ 3	¨ 4	˘ 5	° 6	ˇ 7	~0x
'01x	˘ 8	¯ 9	· 10	¸ 11	˙ 12	, 13	‘ 14	’ 15	
'02x	“ 16	” 17	„ 18	« 19	» 20	– 21	— 22	23	~1x
'03x	24	! 25	! 26	fi 27	fl 28	29	30	31	
'04x	¸ 32	! 33	" 34	# 35	\$ 36	% 37	& 38	' 39	~2x
'05x	(40	) 41	* 42	+ 43	, 44	- 45	. 46	/ 47	
'06x	0 48	1 49	2 50	3 51	4 52	5 53	6 54	7 55	~3x
'07x	8 56	9 57	: 58	; 59	< 60	= 61	> 62	? 63	
'10x	@ 64	A 65	B 66	C 67	D 68	E 69	F 70	G 71	~4x
'11x	H 72	I 73	J 74	K 75	L 76	M 77	N 78	O 79	
'12x	P 80	Q 81	R 82	S 83	T 84	U 85	V 86	W 87	~5x
'13x	X 88	Y 89	Z 90	[91	\ 92	] 93	^ 94	_ 95	
'14x	' 96	a 97	b 98	c 99	d 100	e 101	f 102	g 103	~6x
'15x	h 104	i 105	j 106	k 107	l 108	m 109	n 110	o 111	
'16x	p 112	q 113	r 114	s 115	t 116	u 117	v 118	w 119	~7x
'17x	x 120	y 121	z 122	{ 123	| 124	} 125	~ 126	- 127	
'20x	Ă 128	Ȧ 129	Ć 130	Č 131	Ď 132	Ě 133	Ę 134	Ğ 135	~8x
'21x	Ł 136	Ĺ 137	ł 138	Ń 139	Ň 140	141	Ŏ 142	Ŕ 143	
'22x	Ř 144	Ś 145	Š 146	Ş 147	Ť 148	Ț 149	Ů 150	Ű 151	~9x
'23x	ÿ 152	Ž 153	Ž 154	Ż 155	IJ 156	İ 157	đ 158	Ş 159	
'24x	ă 160	ȧ 161	ć 162	č 163	d' 164	ě 165	ę 166	ğ 167	~Ax
'25x	ł 168	ĺ 169	ł 170	ń 171	ň 172	173	ŏ 174	ŕ 175	
'26x	ř 176	ś 177	š 178	ş 179	ť 180	ț 181	ů 182	ű 183	~Bx
'27x	ÿ 184	ž 185	ž 186	ż 187	ij 188	j 189	ı 190	£ 191	
'30x	À 192	Á 193	Â 194	Ã 195	Ä 196	Å 197	Æ 198	Ç 199	~Cx
'31x	È 200	É 201	Ê 202	Ë 203	Ì 204	Í 205	Î 206	Ï 207	
'32x	Ð 208	Ñ 209	Ò 210	Ó 211	Ô 212	Õ 213	Ö 214	Œ 215	~Dx
'33x	Ø 216	Ù 217	Ú 218	Û 219	Ü 220	Ý 221	Þ 222	ŠS 223	
'34x	à 224	á 225	â 226	ã 227	ä 228	å 229	æ 230	ç 231	~Ex
'35x	è 232	é 233	ê 234	ë 235	ì 236	í 237	î 238	ï 239	
'36x	đ 240	ñ 241	ò 242	ó 243	ô 244	õ 245	ö 246	œ 247	~Fx
'37x	ø 248	ù 249	ú 250	û 251	ü 252	ý 253	þ 254	β 255	
	~8	~9	~A	~B	~C	~D	~E	~F	

7 TS1 encoding font table

	<i>0</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	
<i>00x</i>	0	1	2	3	4	5	6	7	~0x
<i>01x</i>	8	9	10	11	12	13	14	15	
<i>02x</i>	16	17	18	19	20	21	22	23	~1x
<i>03x</i>	24	25	26	27	28	29	30	31	
<i>04x</i>	32	33	34	35	36	37	38	39	~2x
<i>05x</i>	40	41	42	43	44	45	46	47	
<i>06x</i>	48	49	50	51	52	53	54	55	~3x
<i>07x</i>	56	57	58	59	60	61	62	63	
<i>12x</i>	80	81	82	83	84	85	86	87	~5x
<i>13x</i>	88	89	90	91	92	93	94	95	
<i>20x</i>	128	129	130	131	132	133	134	135	~8x
<i>21x</i>	136	137	138	139	140	141	142	143	
<i>22x</i>	144	145	146	147	148	149	150	151	~9x
<i>23x</i>	152	153	154	155	156	157	158	159	
<i>24x</i>	160	161	162	163	164	165	166	167	~Ax
<i>25x</i>	168	169	170	171	172	173	174	175	
<i>26x</i>	176	177	178	179	180	181	182	183	~Bx
<i>27x</i>	184	185	186	187	188	189	190	191	
<i>32x</i>	208	209	210	211	212	213	214	215	~Dx
<i>33x</i>	216	217	218	219	220	221	222	223	
<i>36x</i>	240	241	242	243	244	245	246	247	~Fx
<i>37x</i>	248	249	250	251	252	253	254	255	
	~8	~9	~A	~B	~C	~D	~E	~F	

8 Text samples

Regular

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris. 1234567890

Italic

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris. 1234567890

Bold

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

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9 Implementation

Font support files are generated by `autoinst`, invoked with:

```
autoinst          \  
  --encoding=OT1,T1,LY1 \  
  --ts1           \  
  --sanserif      \  
  --defaultlining \  
  --defaulttabular \  
  --nooldstyle    \  
  --noproportional \  
  --nosmallcaps   \  
  --noswash       \  
  --notitling     \  
  --nosuperiors   \  
  --noinferiors   \  
  --fractions     \  
  --noornaments   \  
  --noupdmap      \  
  --verbose       \  
Chivo-*.otf
```

We don't use the `Chivo.sty` generated by `autoinst` and use our version instead.

9.1 Chivo.sty

```
1 (*package)  
  
  First, we need a switch to know which engine is used:  
2 \newif\ifChivo@otf  
3 \ifdefined\XeTeXinterchartoks % we are in XeTeX  
4   \Chivo@otftrue  
5 \else  
6   \ifdefined\directlua          % we are in LuaTeX  
7     \Chivo@otftrue  
8   \fi  
9 \fi  
  
  Load the packages we rely on: fontspec.sty4 or mweights.sty5:  
10 \ifChivo@otf  
11   \RequirePackage{fontspec}  
12 \else  
13   \RequirePackage{mweights}  
14 \fi  
  
  We use kvoptions6 for our purposes:  
15 \RequirePackage{kvoptions}
```

Setup the keyal options:

4. <https://www.ctan.org/pkg/fontspec>
5. <https://www.ctan.org/pkg/mweights>
6. <https://www.ctan.org/pkg/kvoptions>

```

16 \SetupKeyvalOptions{%
17   family = Chivo ,
18   prefix = Chivo@
19 }

```

The basic strategy for font related keys is to declare them as complementary options.

```

20 \DeclareBoolOption{regular}
21 \DeclareComplementaryOption{light}{regular}
22 \DeclareBoolOption{bold}
23 \DeclareComplementaryOption{black}{bold}

```

scale key is special: With (pdf)LaTeX, it is a string option, with XeLaTeX and LuaLaTeX, it is a void option and generates a warning.

```

24 \ifChivo@otf
25   \DeclareVoidOption{scale}{\relax}
26 \else
27   \DeclareStringOption[1.0]{scale}
28 \fi

```

familydefault switches the default font to Chivo.

```

29 \DeclareBoolOption{familydefault}

```

The next 2 are for users where the automatic engine detection might fail.

```

30 \DeclareVoidOption{opentype}{\Chivo@otftrue}
31 \DeclareVoidOption{type1}{\Chivo@otffalse}

```

Execute the default options and process them.

```

32 \setkeys{Chivo}{regular,bold}
33 \ProcessKeyvalOptions{Chivo}

```

Definition for regular and light keys for traditional engines:

```

34 \ifChivo@otf \else
35   \ifChivo@regular
36     \def\mdseries@sf{m}
37   \else
38     \def\mdseries@sf{1}
39   \fi
40 \fi

```

Definition for bold and black keys for traditional engines:

```

41 \ifChivo@otf \else
42   \ifChivo@bold
43     \def\bfseries@sf{b}
44   \else
45     \def\bfseries@sf{k}
46   \fi
47 \fi

```

For XeLaTeX/LuaLaTeX, we define the font features depending on the given package options:

```

48 \ifChivo@otf
49   \ifChivo@regular
50     \ifChivo@bold
51       \defaultfontfeatures[Chivo]
52       {
53         Extension      = .otf

```

```

54         BoldFont      = Chivo-Bold      ,
55         ItalicFont    = Chivo-Italic    ,
56         BoldItalicFont = Chivo-BoldItalic ,
57         UprightFont   = Chivo-Regular
58     }
59 \else
60     \defaultfontfeatures[Chivo]
61     {
62         Extension      = .otf            ,
63         BoldFont      = Chivo-Black     ,
64         ItalicFont    = Chivo-Italic    ,
65         BoldItalicFont = Chivo-BlackItalic ,
66         UprightFont   = Chivo-Regular
67     }
68 \fi
69 \else
70     \ifChivo@bold
71         \defaultfontfeatures[Chivo]
72         {
73             Extension      = .otf            ,
74             BoldFont      = Chivo-Bold     ,
75             ItalicFont    = Chivo-LightItalic ,
76             BoldItalicFont = Chivo-BoldItalic ,
77             UprightFont   = Chivo-Light
78         }
79     \else
80         \defaultfontfeatures[Chivo]
81         {
82             Extension      = .otf            ,
83             BoldFont      = Chivo-Black     ,
84             ItalicFont    = Chivo-LightItalic ,
85             BoldItalicFont = Chivo-BlackItalic ,
86             UprightFont   = Chivo-Light
87         }
88     \fi
89 \fi
90 \fi

```

Switch the sans serif font to Chivo; the fonts provide only tabular lining figures. With fontspec, we delay the `\setsansfont` until `AtBeginDocument` so that user can provide additional features with `\defaultfontfeatures+`.

```

91 \ifChivo@otf
92   \AtBeginDocument{%
93     \setsansfont{Chivo}%
94   }
95 \else
96   \renewcommand*{\sfdefault}{Chivo-TLF}
97 \fi

```

Switch the default font if the respective key is given:

```

98 \ifChivo@familydefault
99   \renewcommand*{\familydefault}{\sfdefault}
100 \ifChivo@otf\else

```

```
101 \ifChivo@regular \else
102 \edef\seriesdefault{\mdseries@sf}
103 \fi
104 \ifChivo@bold \else
105 \edef\bfdefault{\bfseries@sf}
106 \fi
107 \fi
108 \fi
109 \end{package}
```

Change History

v1.0
General: Initial version 1