Using Rosario fonts with LaTeX*

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Abstract

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

Contents

*This file has version number v1.0, last revised 2016/05/01.

1 Introduction

Rosario[1] is a set of four fonts created by Héctor Gatti, Adobe Typekit & Omnibus-Type Team and provided by Omnibus-Type[2] under the SIL Open Font License, Version 1.1. From the web page:

> "Rosario is a classic semiserif typeface, weak contrast and smooth endings. Produced carefully, nice and elegant, ideal for magazines and academic journals. Rosario is the name of the city where the designer lives."

The fonts were obtained from Omni-Type web page[3]. (v1.001, 4 fonts, 249 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. As the result, some work must be done by the user.

3.1 Under (pdf)LaTeX

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

```
\usepackage{Rosario}
```

Loading the package changes the document's sans serif font to Rosario.

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

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

`scale` The size of the Rosario fonts can be adjusted with the `'scale'` option. This document uses Palatino as main font and scales Rosario with:

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

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

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

1. Copyright © 2012–2015, Omnibus-Type (http://www.omnibus-type.com)
2. Many thanks to Omnibus-Type team for their explicit permission to upload the files to CTAN.
3. http://www.omnibus-type.com/fonts/rosario.php

3.2 Under XeLaTeX and LuaLaTeX

Key message: Do not load Rosario.sty when using XeLaTeX or LuaLaTeX.

These engines can access OTF fonts directly. The standard interface for this purpose is fontspec.sty[4]. Rosario.sty does not make any provision to load fontspec.sty. This bundle provides only a file called Rosario.fontspec which can be loaded by fontspec.sty.

Rosario.fontspec contains the following lines:

```
\defaultfontfeatures[Rosario]
  {
    Extension      = .otf               ,
    BoldFont       = Rosario-Bold       ,
    ItalicFont     = Rosario-Italic     ,
    BoldItalicFont = Rosario-BoldItalic ,
    UprightFont    = Rosario-Regular
  }
```

The following lines in the preamble set Rosario as the sans serif font:

```
\usepackage{fontspec}
% Load Rosario.fontspec
\fontspec{Rosario}
\setsansfont{Rosario}
```

Other font features can be added to the font with the following lines:

```
\usepackage{fontspec}
% Load Rosario.fontspec
\fontspec{Rosario}
% Add features beside the ones in Rosario.fontspec
\defaultfontfeatures+{Color=blue}
\setsansfont{Rosario}
```

4. 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	fi 12	fl 13	14	15	
´02x	ı 16	ȷ 17	` 18	´ 19	ˇ 20	˘ 21	¯ 22	° 23	″1x
´03x	¸ 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	
	″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	˝ 6	¸ 7	˝0x
´01x	8	9	10	11	12	13	14	15	
´02x	ı 16	ȷ 17	` 18	´ 19	ˇ 20	˘ 21	¯ 22	° 23	˝1x
´03x	¸ 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	ˆ 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	¡ 161	¢ 162	£ 163	¤ 164	¥ 165	¦ 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	¸ 184	1 185	º 186	» 187	1/4 188	1/2 189	3/4 190	¿ 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	ˆ 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	ı 25	ȷ 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	128	129	130	131	132	133	134	135	˝8x
´21x	136	137	Ł 138	139	140	141	142	143	
´22x	144	145	Š 146	147	148	149	150	151	˝9x
´23x	Ÿ 152	153	Ž 154	155	IJ 156	157	158	§ 159	
´24x	160	161	162	163	164	165	166	167	˝Ax
´25x	168	169	ł 170	171	172	173	174	175	
´26x	176	177	š 178	179	180	181	182	183	˝Bx
´27x	ÿ 184	185	ž 186	187	ij 188	¡ 189	¿ 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	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	œ 247	˝Fx
´37x	ø 248	ù 249	ú 250	û 251	ü 252	ý 253	þ 254	ß 255	
	˝8	˝9	˝A	˝B	˝C	˝D	˝E	˝F	

7 TS1 encoding font table

	´0	´1	´2	´3	´4	´5	´6	´7	
´00x	0	1	2	3	4	5	6	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	27	28	29	30	31	
´04x	␣ 32	33	34	35	$ 36	37	38	' 39	˝2x
´05x	40	41	* 42	43	, 44	45	. 46	/ 47	
´06x	48	49	50	51	52	53	54	55	˝3x
´07x	56	57	58	59	60	− 61	62	63	
´12x	80	81	82	83	84	85	86	Ω 87	˝5x
´13x	88	89	90	91	92	93	94	95	
´20x	128	129	130	131	† 132	‡ 133	‖ 134	‰ 135	˝8x
´21x	• 136	℃ 137	138	139	*f* 140	141	142	143	
´22x	144	145	146	147	‽ 148	¡ 149	150	™ 151	˝9x
´23x	152	153	154	155	156	157	158	159	
´24x	160	161	¢ 162	£ 163	¤ 164	¥ 165	¦ 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	184	1 185	º 186	√ 187	1/4 188	1/2 189	3/4 190	€ 191	
´32x	208	209	210	211	212	213	× 214	215	˝Dx
´33x	216	217	218	219	220	221	222	223	
´36x	240	241	242	243	244	245	÷ 246	247	˝Fx
´37x	248	249	250	fl 251	ı 252	fi 253	ȷ 254	f 255	
	˝8	˝9	˝A	˝B	˝C	˝D	˝E	˝F	

8 Implementation

Font support files are generated by `autoinst`. As a random note, `autoinst` is invoked with:

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

We don't use the Rosario.sty generated by `autoinst` and use our version instead. We extract two files out of Rosario.dtx: Rosario.sty and Rosario.fontspec.

8.1 Rosario.sty

```
1 ⟨*package⟩
```

We use kvoptions[5] for our purposes:

```
2 \RequirePackage{kvoptions}
```

Setup the keyval options:

```
3 \SetupKeyvalOptions{%
4   family = Rosario  ,
5   prefix = Rosario@
6 }
```

Declare the keys provided by the package und process them:

```
7 \DeclareStringOption[1.0]{scale}
8 \DeclareBoolOption{familydefault}
9 \ProcessKeyvalOptions{Rosario}
```

Switch the sans serif font to Rosario; the fonts provide only proportional lining figures, hence we hard-code them to our font:

```
10 \renewcommand*{\sfdefault}{Rosario-LF}
```

Switch the default font if the respective key is given:

```
11 \ifRosario@familydefault
12   \renewcommand*{\familydefault}{\sfdefault}
13 \fi
14 ⟨/package⟩
```

5. http://www.ctan.org/pkg/kvoptions

8.2 Rosario.fontspec

15 ⟨*fontspec⟩

This is pretty straight forward:

```
16 \defaultfontfeatures[Rosario]
17   {
18     Extension      = .otf               ,
19     BoldFont       = Rosario-Bold       ,
20     ItalicFont     = Rosario-Italic     ,
21     BoldItalicFont = Rosario-BoldItalic ,
22     UprightFont    = Rosario-Regular
23   }
```

24 ⟨/fontspec⟩

Change History

v1.0

General: Initial version 1