Libertinus for Traditional LaTeX Processors

Bob Tennent

`rdt@cs.queensu.ca`

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1 Introduction

The Libertinus OpenType fonts are derived from the Linux Libertine and Biolinum families of fonts. To use them with `xelatex` or `lualatex`, install the `libertinus` and `libertinus-otf` packages. This package provides support for use of Libertinus fonts with traditional processing engines (`latex` with `dvips` or `dvipdfmx`, or `pdflatex`).

2 Installation

To install this package on a TDS-compliant TEX system, download the file

    tex-archive/install/fonts/libertinus.tds.zip

and unzip at the root of an appropriate `texmf` tree, likely a personal or local tree. If necessary, update the file-name database (e.g., `texhash texmf`). Update the font-map files by enabling the Map file `libertinus.map`.

3 Basic Usage

For most purposes, simply add

    \usepackage{libertinus}

to the preamble of your document. This will activate Libertinus Serif as the main text family, Libertinus Sans as the sans family, and Libertinus Mono as the monospaced family. It is recommended that the font encoding be set to `T1` or `LY1` but the default `OT1` encoding is also supported. The `LGR` encoding is supported for the Serif and Sans families.

Available shapes in all series (except `tt`, which only has `it`) include:

`it`	italic
`sc`	small caps
`scit`	italic small caps

Slanted variants are not supported; the designed italic variants will be automatically substituted. The exceptions are the monospaced font and the bold series of Libertinus Sans, for which designed italics are not available. Artificially slanted variants have been generated and treated as if they were italic.

To activate Libertinus Serif without Libertinus Sans or Mono, use the `serif` (or `rm`) option. Similarly, to activate Libertinus Sans (without Libertinus Serif or Libertinus Mono) use the `sans` (or `sf` or `ss`) option. To use Libertinus Sans as the main text font (as well as the sans font), use the option `sfdefault`. Use the `mono=false` (or `tt=false`) option to suppress activating Libertinus Mono.

4   Advanced Usage

The following options are available in all styles (except monospaced):

`oldstyle` (`osf`)	old-style figures
`lining` (`nf`, `lf`)	lining figures
`proportional` (`p`)	varying-width figures
`tabular` (`t`)	fixed-width figures

These apply to both Libertinus Serif and Libertinus Sans. The defaults are `lining` and `tabular`.

The `semibold` (`sb`) option will enable use of the semi-bold series of Libertinus Serif; this has no effect on the Sans fonts, for which there is no semi-bold variant. Any of the "Boolean" options, such as `osf`, may also be used in the form `osf=true` or `osf=false`.

The option `ScaleRM=<number>` will scale the Serif fonts but have no effect on the Sans or Mono fonts. Similarly, the options `ScaleSF=<number>` and `ScaleTT=<number>` will scale the Serif and Mono fonts, respectively.

Superior numbers (for footnote markers) are available using `\sufigures` or `\textsu{...}`.

Command `\useosf` switches the default figure style for Libertinus Serif and Libertinus Sans to old-style figures; this is primarily for use *after* calling a math package with lining figures as the default.

The following macros select the font family indicated:

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\LibertinusSerif	Libertinus Serif
\LibertinusSerifSB	Libertinus Serif with semibold
\LibertinusSerifOsF	Libertinus Serif with proportional oldstyle figures
\libertinusSerifTLF	Libertinus Serif with tabular lining figures
\LibertinusSans	Libertinus Sans
\LibertinusSansOsF	LibertinusSans with proportional oldstyle figures
\LibertinusSansLF	Libertinus Sans with tabular lining figures
\LibertinusMono	Libertinus Mono

Special fonts Libertinus Serif Display and Libertinus Serif Initials may be activated by commands \LibertinusDisplay and \LibertinusInitials, respectively.

5   Concluding Remarks

The original Linux Libertine and Biolinum OpenType fonts were created by Philipp H. Poll (gillian@linuxlibertine.org) and are licensed under the terms of the GNU General Public License (Version 2, with font exception) and under the terms of the Open Font License. For details look into the doc directory of the distribution or at

    http://www.linuxlibertine.org/

The basic Libertinus OpenType fonts are from

    https://github.com/libertinus-fonts/libertinus

with additional fonts obtained by using fontforge. The support files were created using autoinst. The support files are licensed under the terms of the LaTeX Project Public License.

Thanks to Herbert Voss and Khaled Hosny for their assistance. The maintainer of this package is Bob Tennent (rdt@cs.queensu.ca)