The pandora fonts for use with \LaTeX\ 2\epsilon

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1997/12/18

1 Introduction

This file defines the font shape groups for the pandora fonts designed by Nazeen N. Billawala [1, 2] as well as a package file for loading Pandora Roman with the \texttt{\textbackslash rmfamily} command and Pandora Sans with the \texttt{\textbackslash sffamily} command.

To make Pandora the main document font specify the pandora package in a \texttt{\usepackage} command.

2 The docstrip modules

The following modules are used in the implementation to direct docstrip in generating the external files:

- \texttt{driver} produce a documentation driver file
- \texttt{package} produce a package file
- \texttt{fd} produce a font definition file

3 A driver for this document

The next bit of code contains the documentation driver file for \TeX, i.e., the file that will produce the documentation you are currently reading. It will be extracted from this file by the docstrip program.

\begin{verbatim}
1 (+driver)
2 \documentclass{ltxdoc}
3 %\OnlyDescription % comment out for implementation details
4 \begin{document}
5 \DocInput{pandora.dtx}
6 \end{document}
7 (/driver)
\end{verbatim}
4 The Implementation

4.1 Identification

We start by writing to the transcript file.

4.2 Options

This package does not support options.

4.3 The Main Package Code

We change the ensure that OT1 is the default encoding and also change the substitution defaults for the this encoding. If \familydefault is not changed directly, then the change to \rmdefault will automatically change the main font too.

9 \renewcommand{\encodingdefault}{OT1}
10 \DeclareFontSubstitution{OT1}{panr}{m}{n}

Default for \rmfamily will be Pandora Roman and for \sffamily Pandora Sans.

11 \renewcommand{\rmdefault}{panr}
12 \renewcommand{\sfdefault}{pss}
13 \renewcommand{\bfdefault}{b}
14 \renewcommand{\itdefault}{sl}
15 (/package)

We assume that for \TeX use at least the standard magifications are available. If you don't like that setup copy the corresponding code into your own font shape definition file and make adjustments.

4.4 The Font-Definition Files

The Pandora Roman family exists with in medium and bold series and contains in the medium series a slanted shape beside the normal one. We define a substitution shape for italic to point to the slanted one so that a request for \itshape will be partly honored.

16 (+panr)
17 \DeclareFontFamily{OT1}{panr}{}
18 \DeclareFontShape{OT1}{panr}{m}{n}{<5><6><7><8><9><10><10.95><12>14.4<17.28><20.74><24.88>pnr10}{
19 \DeclareFontShape{OT1}{panr}{b}{n}{<5><6><7><8><9><10><10.95><12>14.4<17.28><20.74><24.88>pnb10}{
20 \DeclareFontShape{OT1}{panr}{m}{sl}{<5><6><7><8><9><10><10.95><12>14.4<17.28><20.74><24.88>pnss10}{
21 \DeclareFontShape{OT1}{panr}{m}{sl}{<5><6><7><8><9><10><10.95><12>14.4<17.28><20.74><24.88>pss10}{
22 \DeclareFontShape{OT1}{panr}{b}{sl}{<5><6><7><8><9><10><10.95><12>14.4<17.28><20.74><24.88>pnbss10}{
23 \DeclareFontShape{OT1}{panr}{b}{sl}{<5><6><7><8><9><10><10.95><12>14.4<17.28><20.74><24.88>psssl10}{
24 \DeclareFontShape{OT1}{panr}{m}{sl}{<5><6><7><8><9><10><10.95><12>14.4<17.28><20.74><24.88>pss10}{
The Pandora Sans family has the same members.

The next line goes into all files and in addition prevents docstrip from adding any further code from the main source file (such as a character table.

\endinput

References
