The \texttt{rawfonts} package

Alan Jeffrey

v0.01

This file is maintained by the \LaTeX{} Project team.
Bug reports can be opened (category \texttt{tools}) at
\url{https://latex-project.org/bugs.html}.

Overview

The \texttt{rawfonts} \LaTeX{} \texttt{2\epsilon} package is used to provide emulation of \LaTeX{} \texttt{2.09} documents which used low-level commands such as \texttt{\textbackslash{}tenrm}. If you say:

\begin{verbatim}
\usepackage{rawfonts}
\end{verbatim}

then over sixty fonts such as \texttt{\textbackslash{}tenrm} will be loaded into \LaTeX{}. This has a large overhead, for example this document uses:

\begin{quote}
8221 words of font info for 30 fonts
\end{quote}

but when run with the \texttt{rawfonts} package it uses:

\begin{quote}
19294 words of font info for 73 fonts
\end{quote}

That is \texttt{rawfonts} can cause your document to load twice as many fonts. (This overhead is why \LaTeX{} \texttt{2\epsilon} does not define \texttt{\textbackslash{}tenrm} and friends by default.)

If you want to only load a small number of fonts, you can use the \texttt{only} option, for example to only load \texttt{\textbackslash{}tenrm} and \texttt{\textbackslash{}tensf}:

\begin{verbatim}
\usepackage[only,tenrm,tensf]{rawfonts}
\end{verbatim}

The \texttt{rawfonts} package is intended mainly for use with \LaTeX{} \texttt{2.09} documents, and you might want to have the package loaded every time you use \LaTeX{} \texttt{2\epsilon} in compatibility mode. In this case, you should add the line:

\begin{verbatim}
\RequirePackage{rawfonts}
\end{verbatim}

\noindent to your \texttt{latex209.cfg} \LaTeX{} \texttt{2.09} compatibility configuration file.
Implementation

The driver for the documentation you’re now reading.

This is a \LaTeX\ 2ε package.

The \texttt{rawfonts} package uses the \texttt{somedefs} package.

By default, all the fonts are loaded, but the \texttt{only} option says that only the ones specified as options should be.

The rest of the code loads fonts. Five point:

Six point:

Seven point:

Eight point:

Nine point:
\ProvidesDefinition{\DeclareFixedFont{\svtnsy}{OMS}{cmsy}{m}{n}{\@xviipt}}
\ProvidesDefinition{\DeclareFixedFont{\svtnbf}{OT1}{cmr}{bx}{n}{\@xviipt}}
\ProvidesDefinition{\DeclareFixedFont{\svtnly}{U}{lasy}{m}{n}{\@xviipt}}

Twenty point:
\ProvidesDefinition{\DeclareFixedFont{\twtyrm}{OT1}{cmr}{m}{n}{\@xxpt}}
\ProvidesDefinition{\DeclareFixedFont{\twtyi}{OML}{cmm}{m}{it}{\@xxpt}}
\ProvidesDefinition{\DeclareFixedFont{\twtsy}{OMS}{cmsy}{m}{n}{\@xxpt}}
\ProvidesDefinition{\DeclareFixedFont{\twtyly}{U}{lasy}{m}{n}{\@xxpt}}

Twenty-five point:
\ProvidesDefinition{\DeclareFixedFont{\twfvrm}{OT1}{cmr}{m}{n}{\@xxvpt}}

That's it.