The **rawfonts** package

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v0.01

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

**Overview**

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

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

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

8221 words of font info for 30 fonts

but when run with the rawfonts package it uses:

19294 words of font info for 73 fonts

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

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

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

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

\begin{verbatim}
\RequiresPackage{rawfonts}
\end{verbatim}

To your latex209.cfg \LaTeX{} 2.09 compatibility configuration file.
Implementation

The driver for the documentation you’re now reading.

\documentclass{ltxdoc}
\begin{document}
\DocInput{rawfonts.dtx}
\end{document}

This is a \LaTeX \textit{2e} package.

\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{rawfonts}[1994/05/08 Low-level \LaTeX 2.09 font compatibility]

The rawfonts package uses the somedefs package.

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

\UseAllDefinitions
\DeclareOption{only}{\UseSomeDefinitions}
\DeclareOption*{\UseDefinition{\CurrentOption}}
\ProcessOptions

The rest of the code loads fonts. Five point:

\ProvidesDefinition{\DeclareFixedFont{\fivrm}{OT1}{cmr}{m}{n}{\@vpt}}
\ProvidesDefinition{\DeclareFixedFont{\fivmi}{OML}{cmm}{m}{it}{\@vpt}}
\ProvidesDefinition{\DeclareFixedFont{\fivsy}{OMS}{cmsy}{m}{n}{\@vpt}}
\ProvidesDefinition{\DeclareFixedFont{\fivly}{U}{lasy}{m}{n}{\@vpt}}

Six point:

\ProvidesDefinition{\DeclareFixedFont{\sixrm}{OT1}{cmr}{m}{n}{\@vipt}}
\ProvidesDefinition{\DeclareFixedFont{\sixmi}{OML}{cmm}{m}{it}{\@vipt}}
\ProvidesDefinition{\DeclareFixedFont{\sixsy}{OMS}{cmsy}{m}{n}{\@vipt}}
\ProvidesDefinition{\DeclareFixedFont{\sixly}{U}{lasy}{m}{n}{\@vipt}}

Seven point:

\ProvidesDefinition{\DeclareFixedFont{\sevrm}{OT1}{cmr}{m}{n}{\@viipt}}
\ProvidesDefinition{\DeclareFixedFont{\sevmi}{OML}{cmm}{m}{it}{\@viipt}}
\ProvidesDefinition{\DeclareFixedFont{\sevsy}{OMS}{cmsy}{m}{n}{\@viipt}}
\ProvidesDefinition{\DeclareFixedFont{\sevit}{OT1}{cmr}{m}{it}{\@viipt}}
\ProvidesDefinition{\DeclareFixedFont{\sevly}{U}{lasy}{m}{n}{\@viipt}}

Eight point:

\ProvidesDefinition{\DeclareFixedFont{\egtrm}{OT1}{cmr}{m}{n}{\@viiipt}}
\ProvidesDefinition{\DeclareFixedFont{\egtmi}{OML}{cmm}{m}{it}{\@viiipt}}
\ProvidesDefinition{\DeclareFixedFont{\egtsy}{OMS}{cmsy}{m}{n}{\@viiipt}}
\ProvidesDefinition{\DeclareFixedFont{\egtit}{OT1}{cmr}{m}{it}{\@viiipt}}
\ProvidesDefinition{\DeclareFixedFont{\egtly}{U}{lasy}{m}{n}{\@viiipt}}

Nine point:

\ProvidesDefinition{\DeclareFixedFont{\ninrm}{OT1}{cmr}{m}{n}{\@ixpt}}
Twenty point:

\ProvidesDefinition{\twtyrm}{OT1}{cmr}{m}{n}{\@xxpt}
\ProvidesDefinition{\twtymi}{OML}{cmm}{m}{it}{\@xxpt}
\ProvidesDefinition{\twtysy}{OMS}{cmsy}{m}{n}{\@xxpt}
\ProvidesDefinition{\twtyly}{U}{lasy}{m}{n}{\@xxpt}

Twenty-five point:

\ProvidesDefinition{\twfvrnm}{OT1}{cmr}{m}{n}{\@xxvpt}

That’s it.

(/package)