The ae supporting fonts and the aesupp package

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1 Introduction

The aesupp provides special support for the ‘æ’ character in some fonts. At the moment only the fonts \TeX\ Gyre Bonum, \TeX\ Gyre Schola, \TeX\ Gyre Pagella, and the Latin Modern fonts are supported. The other fonts in the \TeX\ Gyre bundle does not need this support.

The reason for this special support is due to some design flaws (the authors opinion) regarding the ‘æ’ character.

1.1 Example: \TeX\ Gyre Pagella

The original italic design of the ‘æ’ character in this font is æ. Comparing the ‘æ’ character with the corresponding character ‘a’ shows a vs. æ.

These fonts provides a different design of the italic ‘æ’ character to provide a better correspondence with the ‘a’ character; a vs. æ.
2 Usage

2.1 Usage with \LaTeX{} and PDF\LaTeX{}

To use the package with \LaTeX{} Gyre Pagella type this into your preamble
\begin{verbatim}
\usepackage{tgpagella}
\usepackage{aesupp}
\end{verbatim}

Please do note, that aesupp must be loaded \emph{after} the font package itself.
Replace \texttt{tgpage1la} with the other packages when needed.

2.2 Usage with Lua\LaTeX{} and X\LaTeX{}

To use the OpenType fonts with \texttt{fontspec} type
\begin{verbatim}
\usepackage{fontspec} %
\setmainfont{texgyrepagella-regular}[Extension = .otf,]
\setitshapefont{aepagella-italic,}
\end{verbatim}

or similar into your preamble. As this author is no \texttt{fontspec} expert this part of the documentation may be somewhat rudimentary.

3 Special options

The package has some options.

3.1 Font encoding

By default the \texttt{aesupp} package redefines the italic of the fonts in the default encoding only. To specify specific encodings you may type
\begin{verbatim}
\usepackage[T1]{aesupp}
\end{verbatim}

to redefine the T1 encoded fonts,
\begin{verbatim}
\usepackage[OT1]{aesupp}
\end{verbatim}
to redefine the OT1 encoded fonts, or
\usepackage[T1,OT1]{aesupp}

to redefine both encodings.
Only the T1 and the OT1 encodings are supported.

3.2 The behaviour of \bfseries

The lmodern package redefines the \texttt{\bfdefault} from bx to b. The option bx reverts
this
\usepackage[ bx ]{aesupp}
if needed.

4 License

4.1 The fonts

The license of the fonts is GUST Font License.
http://www.gust.org.pl/projects/e-foundry/licenses

4.2 Other parts

The license of the other parts of the bundle is GNU General Public License, either version
3 of the License, or (at your option) any later version.
https://www.gnu.org/licenses/gpl-3.0.html