

# The ae supporting fonts and the aesupp package

Palle Jørgensen

Version 1, March 10, 2021

## Contents

1	Introduction	1
2	Usage	2
3	Special options	2
4	License	3

## 1 Introduction

The aesupp provides special support for the ‘æ’ character in some fonts. At the moment only the fonts T<sub>E</sub>X Gyre Bonum, T<sub>E</sub>X Gyre Schola, T<sub>E</sub>X Gyre Pagella, and the Latin Modern fonts are supported. The other fonts in the T<sub>E</sub>X 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: T<sub>E</sub>X 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 $\text{\LaTeX}$ and $\text{\PDF\LaTeX}$

To use the package with  $\text{\TeX}$  Gyre Pagella type this into your preamble

```
\usepackage{tgpagella}  
\usepackage{aesupp}
```

Please do note, that `aesupp` must be loaded *after* the font package itself.

Replace `tgpagella` with the other packages when needed.

### 2.2 Usage with $\text{\Lua\LaTeX}$ and $\text{\Xe\LaTeX}$

To use the OpenType fonts with `fontspec` type

```
\usepackage{fontspec} %  
\setmainfont{texgyrepagella-regular}[  
Extension = .otf ,  
BoldFont = texgyrepagella-bold ,  
ItalicFont = aepagella-italic ,  
BoldItalicFont = aepagella-bolditalic ]
```

or similar into your preamble. As this author is no `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 `aesupp` package redefines the italic of the fonts in the default encoding only. To specify specific encodings you may type

```
\usepackage[T1]{aesupp}
```

to redefine the T1 encoded fonts,

```
\usepackage[OT1]{aesupp}
```

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 `\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>