

The `calligra` package*

for use with L^AT_EX2_ε

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1 Introduction

The font `calligra` provides a calligraphic font. Calligra can be found on the CTAN in the directory `tex-archive/fonts/calligra`. This package provides means to use this font in L^AT_EX2_ε.

2 Usage

This file can be used as a package by placing its name in the argument of `\usepackage`. Afterwards the font family `calligra` is defined. This could also have been done by providing a font definition file.

The font definitions in this file scale down the original fonts to allow L^AT_EX to choose the right baselineskip.

`\calligra` The command `\calligra` changes the current font family to `calligra` and the encoding to T1. Usually this should be used in a T_EX group only since the macros `\ss` is redefined as well.

`\textcalligra` The command `\calligra` typesets its argument with the `calligra` font.

3 Implementation

First we declare a new font family for the `calligra` font.

```
1 \DeclareFontFamily{T1}{calligra}{}
```

This font is only available in the normal shape. Here we can get the desired font by (silently) scaling the only present `calligra15`. The appropriate factor seems to be `magstep 2 = 1.44`.

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```
2 \DeclareFontShape{T1}{calligra}{m}{n}{<->s*[1.44]callig15}{}
```

Now we define the font changing command.

`\calligra` The macro `\calligra` selects the calligra family. Since the kerning of the β is terribly wrong we correct it within the macro `\ss`.

```
3 \DeclareRobustCommand\calligra{%
4   \renewcommand\ss{\symbol{255}\kern-.22em}%
5   \fontfamily{calligra}%
6   \fontencoding{T1}%
7   \selectfont}
```

`\textcalligra` The macro `\textcalligra` typesets its argument with the calligra font.

```
8 \newcommand\textcalligra[1]{\begingroup
9   \renewcommand\ss{\symbol{255}\kern-.22em}%
10  \fontfamily{calligra}%
11  \fontencoding{T1}%
12  \selectfont #1\endgroup}
```