The `twcal` package[*]
for use with LaTeX2e

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2012/04/10

1 Introduction

The METAFONT font twcal provides a calligraphic font. This font has been written by Thomas Weinmann. It can be found on the CTAN in the directory `tex-archive/fonts/twcal`. This package provides means to use this font.

This package has been created for an article in „Die TeXnische Komödie" [1]. This article contains some more details on the package and its use.

2 Usage

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

`\twcal`   The command `\twcal` changes the current font family to twcal and the encoding to OT1. Usually this should be used in a TeX group only since it changes the font encoding and redefines the umlaut macro.

The following example on the left produces the result on the right.

---

[*]This file has version number v1.3, dated 2012/04/10.

```
{\twcal Lorem ipsum dolor sit amet,
consectetur adipisicing elit, sed do
eiusmod tempor incididunt ut labore et
dolore magna aliqua.  Ut enim ad minim
veniam, quis nostrud exercitation ullamco
laboris nisi ut aliquip ex ea commodo
consequat.  Duis aute irure dolor in
reprehenderit in voluptate velit esse
cillum dolore eu fugiat nulla pariatur.
Excepteur sint occaecat cupidatat non
proident, sunt in culpa qui officia
deserunt mollit anim id est laborum.  }
```

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

\texttwcal   The macro \texttwcal typesets its argument in the twcal font.

The following example on the left produces the result on the right.

```
\texttwcal{ Lorem ipsum dolor sit} amet,
consectetur adipisicing elit, sed do
eiusmod tempor incididunt ut labore et
dolore magna aliqua.
```

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

\twcallogo   The command \twcallogo typesets the logo for the twcal font as defined by the author of the font.

The following example on the left produces the result on the right.

```
\twcallogo
```

T$_W$C$_A$L14

References

[1] Gerd Neugebauer. Von „krakelig“ bis „wie gemalt“. *Die T$_E$Xnische Komödie*, 1/96:25–42, June 1996.

3   Implementation

First we declare a new font family for the twcal font.

```
\DeclareFontFamily{OT1}{twcal}{}
```

This font is only available in the normal shape. Here we can get the desired font by (silently) scaling the only present fonts.

```
\DeclareFontFamily{OT1}{twcal}{}
\DeclareFontShape{OT1}{twcal}{m}{n}{<->s*[0.7]twcal14}{}
```

Next we define some macros to perform the mapping of umlaut characters to the unusual positions used in this font.

```
\newcommand\twcal@a{\char26}
\newcommand\twcal@o{\char27}
\newcommand\twcal@u{\char28}
\newcommand\twcal@A{\char29}
```

```
\newcommand\twcal@O{\char30}
\newcommand\twcal@U{\char31}
```

Now we define the font changing command.

\twcal The macro \twcal selects the twcal family.

```
\DeclareRobustCommand\twcal{%
  \let\twcal@original@umlaut=\"
  \def\"##1{%
    \@ifundefined{twcal@##1}{%
      \twcal@original@umlaut{##1}}{%
      \@nameuse{twcal@##1}}}%
  \fontfamily{twcal}%
  \fontencoding{OT1}%
  \selectfont}
```

\texttwcal The macro \texttwcal typesets its argument in the twcal font.

```
\newcommand\texttwcal[1]{\begingroup\twcal #1\endgroup}
```

\twcallogo Finally we provide the logo for this font as defined by the author of the font.

```
\newcommand\twcallogo{\mbox{\(({
          \lower-0.3ex\hbox{T}\kern-0.22em
          \lower0.3ex\hbox{W}\kern-0em
          \lower-0.3ex\hbox{C}\kern-0.24em
          \lower0.3ex\hbox{A}\kern-0.14em
          \lower-0.3ex\hbox{L}}\kern-0.19em
          \lower0.1ex\hbox{1}\kern-0.14em
          \lower-0.1ex\hbox{4}\)}}
```

Change History

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Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the definition; numbers in roman refer to the pages where the entry is used.