

# The `twcal` package\*

## for use with L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub>

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## 1 Introduction

The 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.

## 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 T<sub>E</sub>X group only since it changes the font encoding and redefines the umlaut macro.

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

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

## 3 Implementation

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

```
1 \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.

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

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

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\*This file has version number v1.2, dated 1996/07/18.

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

```
4 \newcommand\twcal@a{\char26}
5 \newcommand\twcal@o{\char27}
6 \newcommand\twcal@u{\char28}
7 \newcommand\twcal@A{\char29}
8 \newcommand\twcal@O{\char30}
9 \newcommand\twcal@U{\char31}
```

Now we define the font changing command.

`\twcal` The macro `\twcal` selects the `twcal` family.

```
10 \DeclareRobustCommand\twcal{%
11   \let\twcal@original@umlaut=""
12   \def"###1{%
13     \@ifundefined{twcal@##1}{%
14       \twcal@original@umlaut{##1}}{%
15       \@nameuse{twcal@##1}}}%
16   \fontfamily{twcal}%
17   \fontencoding{OT1}%
18   \selectfont}
```

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

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

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

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