

The `twcal` package* for use with L^AT_EX2e

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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 T_EXnische 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 T_EX 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.

```
{\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, consecte-
tur adipisicing elit, sed do eiusmod
tempor incididunt ut labore et do-
lore magna aliqua. Ut enim ad minim
veniam, quis nostrud exercitation ul-
lamco 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 cu-
pidatat non proident, sunt in culpa
qui officia deserunt mollit anim id est
laborum.*

*This file has version number v1.4, dated 2026/05/18.

`\texttwcal` The macro `\texttwcal` typesets its argument in the twcal font.
The following example on the left produces the result on the right.

<code>\texttwcal{ Lorem ipsum dolor sit} amet,</code>	<i>Lorem ipsum dolor sit</i> amet, con-
<code>sectetur adipisicing elit, sed do</code>	sectetur adipisicing elit, sed do
<code>eiusmod tempor incididunt ut labore et</code>	eiusmod tempor incididunt ut la-
<code>dolore magna aliqua.</code>	bore 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.

<code>\twcallogo</code>	TW ^{CA} L14
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References

- [1] Gerd Neugebauer. Von „krakelig“ bis „wie gemalt“. *Die T_EXnische 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

v1.0		robust.	1
	General: First release.	1	v1.3
v1.1		General: License clarified and	
	General: Macro <code>texttwcal</code> added.	1	address updated.
v1.2		v1.4	
	General: Some commands made	General: Address updated.	1

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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.

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<code>\texttwcal</code>	<i>2</i> , <u>2</u>	<code>\twcallogo</code>
		<i>2</i> , <u>3</u>