

The Typewriter Package for LaTeX

David Carlisle^{*†}

2025-02-10

1 Introduction

The typewriter package uses (by default) the OpenType Computer Modern Unicode Typewriter font, together with a LuaTeX virtual font setup that introduces random variability in grey level and angle of each character. It was originally an answer to a question on stackexchange, <http://tex.stackexchange.com/questions/344214/use-latex-to-simulate-old-typewriter-written-texts>

Currently there are no options to the package, However there are several parameters that control the offsets and grey levels used to generate the variation. Any of the following commands may be defined before loading the package to change the defaults shown below.

```
\providecommand\ttgreybolda{0.6}
\providecommand\ttgreyboldb{0.3}
\providecommand\ttrotatebold{12}
\providecommand\ttdownbold{20000}
\providecommand\ttrightbold{35000}
\providecommand\ttoverprintbolda{1}
\providecommand\ttoverprintboldb{1}
\providecommand\ttoverprintboldc{1}

\providecommand\ttgreynormala{0.3}
\providecommand\ttgreynormalb{0.5}
\providecommand\ttrotatenormal{8}
\providecommand\ttrightnormal{20000}
\providecommand\ttdownnormal{20000}
\providecommand\ttoverprintnormal{1}
```

^{*}With Contributions from Udi Fogiel

[†]<https://github.com/davidcarlisle/dpctex/>

```

\providecommand\ttbasefont{cmuntt.otf}
\providecommand\ttmathfont{\ttbasefont}
\providecommand\ttfontsize{12pt}

```

The grey levels should be between 0 and 1 and control the maximum amount of grey level.

The rotate values can be any angle (measured in degrees), but setting values more than 20 makes the text more or less unreadable.

The right and down offsets (which are in the font design units) control the maximum horizontal and vertical offsets of the overprinted characters

The flags such `ttoverprintnormal` control whether multiple characters are printed. By default bold font has four characters with different offsets, normal has two. Setting the flags to 0 stops this over-printing.

By default the same font is used for text and math, but you may set `ttbasefont` to the filename for the base font, and `ttmathfont` to a different font, this may be useful if the main font does not have math characters.

There is random variability in each letter as you can see by repeating a letter repeatedly:

```

OOOOOOOOOOOOOOONNNNNNNNNNNNNNNNNNEEEEEEEEEEE
TTTTTTTTTTTTTwwwwwwwwwwwwwwwwwwwwwwww-
w000000000000000000

```

1.1 Text

one two three
one two three
[some greek text θ]
a rule: _____

1.2 Math

$\alpha^2 = 0$ and bold $\alpha^2 = 0$
more math $x^2 - \cos \theta$
display math:

$$\left(\frac{x^2}{\sqrt{1+y}}\right)$$

and

$$\int_{x=0}^n f(x) dx = \sum_0^m q(y)$$

and alignments:

$$A \rightarrow B \tag{1}$$

$$\Gamma \Rightarrow C \tag{2}$$

1.3 Lists

1. red yellow blue green
 2. black blue purple
- this
 - that
 - and the other

1.4 Tables

one	two	three
α	β	γ

1.5 Colophon

typeset by egreg design services