

# swungdash: A package for a swung dash

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Version 1.0.0

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# 1 Overview

The ‘swung dash’ (∼) is a rare but very useful mark of punctuation used in typesetting dictionaries and reference works as a stand in to avoid repeating the defined term in examples or definitions, and thus to save space. For example, a quoted example of the term ‘extraterritoriality’ might save space by omitting repeating the long word:

∼, in this as in every other case, is a fiction only, for diplomatic envoys are in reality not without, but within, the territories of the receiving States. The term ‘∼’ is nevertheless valuable because it demonstrates clearly the fact that envoys must, in most respects, be treated as though they were not within the territory of the receiving States. <sup>1</sup>

Although the swung dash is included in Unicode as U+2053, few typefaces include it. This package turns a tilde in any given typeface into a swung dash of 1 m width, and then, using the `accsup` package, overwrites this extended tilde into the Unicode character so that it will be read as a swung dash.

## 2 Usage

In your preamble put:

```
\usepackage{swungdash}
```

To typeset a swung dash, simply use the command:

```
\swungdash
```

## 3 Development

Bugs, feature requests, *etc*, should be submitted to the project’s official GitHub page: ([github.com/ezgranet/swungdash](https://github.com/ezgranet/swungdash)).

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<sup>1</sup>Sir H Lauterpacht QC (ed) *Oppenheim on International Law*, vol 1 (8<sup>th</sup> edn, Longmans, Green & C<sup>o</sup> 1955), 793

## 4 Licence

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## 5 Implementation

```
3
4 \def\swungdashversionnumber{1.0.0}
5 \ProvidesPackage{swungdash}
6 [2022/08/24 v1.0 code to typeset a swung dash]
7   % !TeX program = lualatex
8 % !TeX encoding = utf8
9 % This work may be distributed and/or modified under the
10 % conditions of the LaTeX Project Public License, either version 1.3
11 % of this license or (at your option) any later version.
12 % The latest version of this license is in
13 % http://www.latex-project.org/lppl.txt
14 % and version 1.3 or later is part of all distributions of LaTeX
15 % version 2005/12/01 or later.
16 %
17 % This work has the LPPL maintenance status `maintained'.
18 %
19 % The Current Maintainer of this work is Elijah Z Granet
20
21 \RequirePackage{accsupp}\RequirePackage{graphicx}
22 \RequirePackage{iftex}
23 \newcommand{\thetilde}{\symbol{"007E}}
24 \newcommand{\swungdash}{\BeginAccSupp[method=hex,unicode,ActualText=
  ↪ 2053}%
25 \resizebox{1em}{!}{\raisebox{-.1ex}{\scalebox{1.75}[1.1]{\thetilde}}}}
26 \EndAccSupp{}}%
27 }
28 \newcommand{\twiddle}{\sim$}
29 \ifPDFTeX {
```

```
30 \PackageError{swungdash}  
31   {You are using pdfTeX but this package only works  
32   \MessageBreak with XeTeX or LuaTeX}{}  
33 }  
34 \fi  
35
```

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## 6 Version History

### 6.6.1 1.0.0

24 August 2022: Package creation