



Is there a simple way to get the Bourbaki dangerous bend symbol (without extra)?

Asked 5 years, 11 months ago Active 1 year, 10 months ago Viewed 2k times



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4



I would like to put a Bourbaki dangerous bend symbol in my text. The LaTeX package `manfnt` allows to easily type the Knuth variant of the Bourbaki dangerous bend symbol. This variant is basically the Z-shaped dangerous band inside a signal diamond attached to a pole (`\dbend`). This variant is nice but height: it introduces extra interline (because of the pole). I am looking for a Z-shaped only version, a one that is ready to use.

symbols

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edited Aug 21 '15 at 14:49



Heiko Oberdiek

255k 20 647
1010

asked Aug 21 '15 at 14:33



Spherical Triangle

566 4 12

2 ▲ this is unicode U+2621 so it should be in the stix/xits fonts. – [barbara beeton](#) Aug 21 '15 at 14:43

3 ▲ @barbarabeeton Is that an uppercase *U* I see before me? – [user10274](#) Aug 21 '15 at 14:46

▲ @MarcvanDongen -- uh, yes. (there *are* some exceptions.) – [barbara beeton](#) Aug 21 '15 at 14:53

▲ @barbarabeeton Very interesting: any hint on how to type it in LaTeX ? – [Spherical Triangle](#) Aug 21 '15 at 15:04

1 ▲ for the stix fonts, the command `\danger` was proposed, but i'm not sure it's the final choice. – [barbara beeton](#) Aug 21 '15 at 15:34

5 Answers

Active Oldest Votes



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```
\documentclass{article}
\usepackage{tikz}
```



```

\begin{document}
\tikz[
  line cap=but,

  line join=round,
  x=.5em,
  very thick,
  y=1*(height("Z")-\pgflinewidth)*(1-sin(10)),
  rotate=-10,
  rounded corners=1.5pt,
]\draw (1, 0) -- (0, 0) -- (1, 1) -- (0, 1);
\end{document}

```



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answered Aug 21 '15 at 14:47



Heiko Oberdiek

255k 20 647

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▲ This implements Barbara Beeton's suggestion without loading the `stix` package:

7

```

\documentclass{article}

\DeclareFontFamily{U}{stixbbit}{}
\DeclareFontShape{U}{stixbbit}{m}{it}{<-> stix-mathbbit}{}
\DeclareRobustCommand{\stixdanger}{%
  {\usefont{U}{stixbbit}{m}{it}\symbol{"F6}}%
}

```

```

\begin{document}

```

This is the `\stixdanger{}` symbol.

```

\end{document}

```

This is the Z symbol.

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answered Aug 21 '15 at 19:23



egreg

921k 117 2312

- ▲ I like the slightly rotated version, partly because it's more clear that it's not a letter Z or a numeral
- ▣ 2. To get the rotation, it worked for me to use `\rotatebox[origin=c]{-10}{\stixdanger}`, with `rotatebox` being provided by the `graphicx` package. – Ben Crowell Nov 22 '18 at 20:09

Find its [unicode](#), see the [fonts](#) which support it, search your system for [available fonts](#) and do (Lua- or XeLaTeX needed):

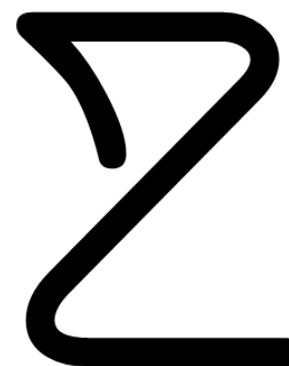
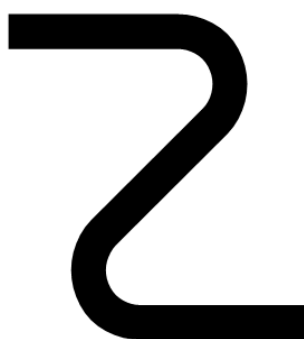
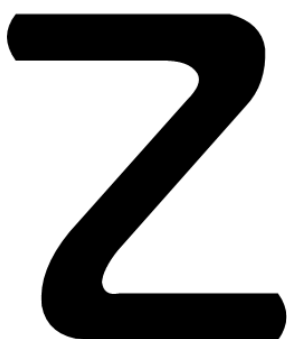
4

```
% arara: pdflatex
```



```
\documentclass{article}
\usepackage{fontspec}
```

```
\begin{document}
\fontspec{code2000.ttf}\symbol{"2621}
\fontspec{quivira.otf}\symbol{"2621}
% or very dangerous...
\fontspec{symbola.ttf}\symbol{"2621}
\end{document}
```



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answered Aug 21 '15 at 15:09



LaRiFaRi

41.2k

3

64

148

Following @barbarabeeton comment, a stix version writes:

2

```
\documentclass{article}
\usepackage{stix}
```



```
\begin{document}
$\danger$
\end{document}
```

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answered Aug 21 '15 at 17:19

Spherical Triangle



566 4 12

Unfortunately the package `stix` interferes very badly with my target journal template (article document + AmS packages): does a more selective package exist? ((Note: I am ready to hack for own stuff, but I am not sure about the Journal editorial team behaviour: past experiences convince me to stick to classical stuff)) – Spherical Triangle Aug 21 '15 at 18:24

It seems like egreg's answer would be a variation on this that would avoid the clash with the `stix` package. – Ben Crowell Nov 22 '18 at 19:56

Inspired in Egreg's answer below I present my own Bourbaki's dangerous `bendsymbol`:

0

```
\DeclareFontFamily{U}{stixbbit}{}
\DeclareFontShape{U}{stixbbit}{m}{it}{
<-> stix-mathbbit
}{}
\DeclareSymbolFont{stixbbit}{U}{stixbbit}{m}{it}
\DeclareMathSymbol{\bend}{\mathord}{stixbbit}{"F6}
\newcommand*{\bendsymbol}
{\ensuremath{\bend\hspace{-2mm}\bend\hspace{-2mm}\bend\hspace{-2mm}\bend}}
```

The original symbol would be the `\bend` symbol defined. I want it thicker too, that's why I define also the `\bendsymbol` symbol. It is true that it isn't the most elegant way to get it. However, it has (what I think is) and advantage with respect to Egreg's `bend` symbol, and is that it's defined as a `math ordinary symbol`, just like `\alpha`.

It is possible to rotate it if one wants, but I like it just like that.

This is the **⌵** symbol.

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answered Sep 12 '19 at 22:38

Dog_69
912 4 20