samcarter

TUG 2022

July, 23rd 2022
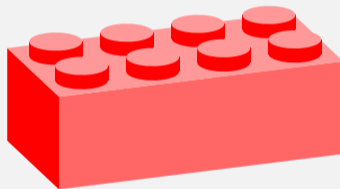
7:06 / 1:06:36

Basics

```
\begin{tikzpicture}
\brick{4}{2}
\end{tikzpicture}
```

Customisation

color

```
\begin{tikzpicture}
   \brick[color=blue]{1}{3}
\end{tikzpicture}
```


brickheight

```
\begin{tikzpicture}
   \brick[brickheight=0.3]{2}{1}
\end{tikzpicture}
```
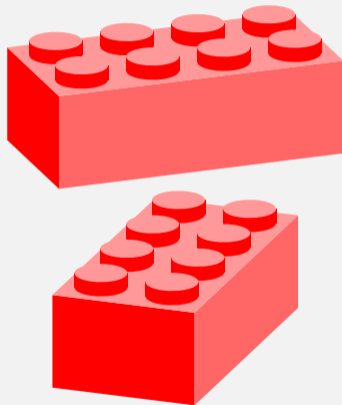
Viewpoint
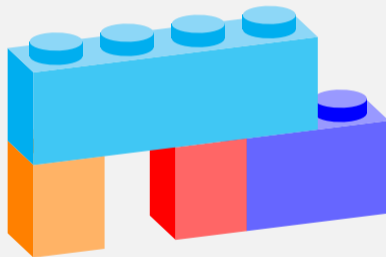
```
\begin{tikzpicture}
\brick{4}{2}
\end{tikzpicture}

\tdplotsetmaincoords{70}{110}

\begin{tikzpicture}
\brick{4}{2}
\end{tikzpicture}
```

Building objects


```
\begin{wall}
  \wallbrick[color=blue]{2}{1}
  \wallbrick[color=red]{1}{1}
  \addtocounter{brickx}{1}
  \wallbrick[color=orange]{1}{1}
  \newrow
  \addtocounter{brickx}{1}{1}
  \wallbrick[color=cyan]{4}{1}
\end{wall}
```

img2bricks (by @Scott Pakin)

Available at
https://github.com/samcarter/TikZbricks/blob/main/img2bricks

```
python3 img2bricks image.png
./img2bricks image.png
```

Options:

```
-h, --help                          show an help message
--output LATEX-FILE, -o LATEX-FILE  name of output file
--depth DEPTH                       depth of each brick
--widths NUM[,NUM]                  comma-separated list of allowable brick widths
```

THE END