News from the TikZ zoo: An introduction to the Ti*k*Zlings package

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TUG Annual Meeting 2021
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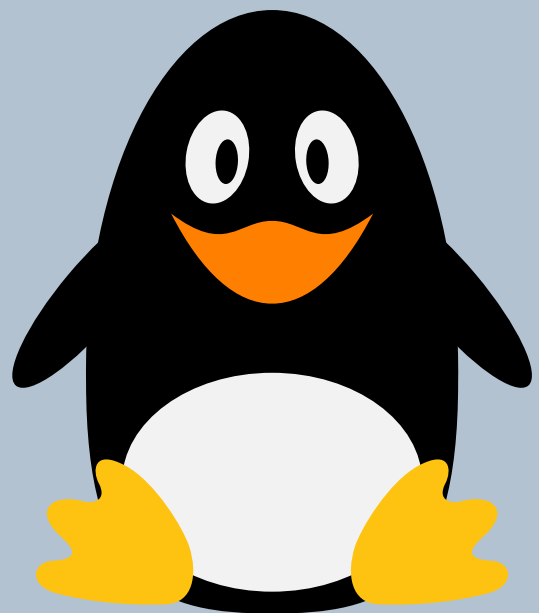
Family portrait

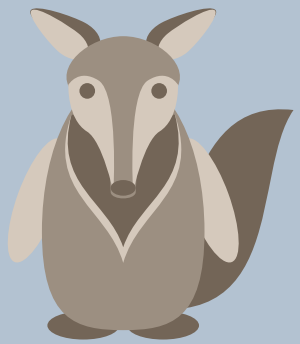
Basic Usage

```
\documentclass{standalone}

\usepackage{tikzlings}

\begin{document}

\begin{tikzpicture}
  \penguin
\end{tikzpicture}

\end{document}
```



Available TikZlings

Peter

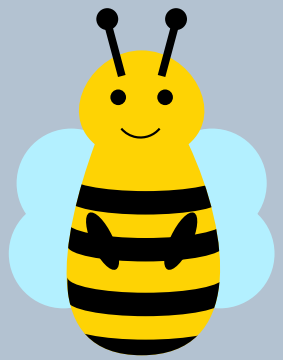


`\anteater`

Bär

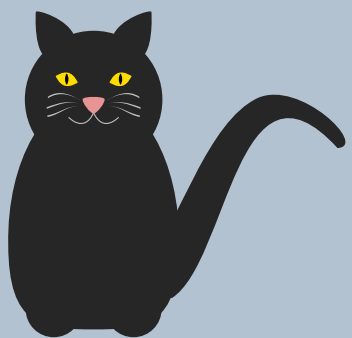
`\bear`

Beeing



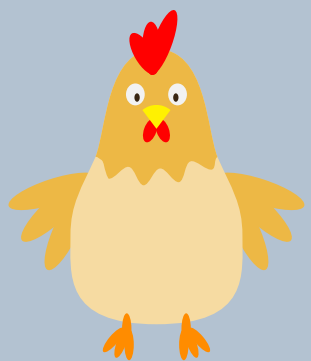
`\bee`

MisTikZelees



`\cat`

Paulette



`\chicken`

007

`\coati`

Available TikZlings

Sieglinde

`\hippo`

Will

`\koala`

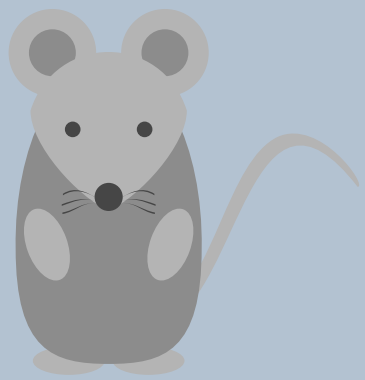
Phil

`\marmot`

Wilhelm

`\moles`

Tokz



`\mouse`

Jake

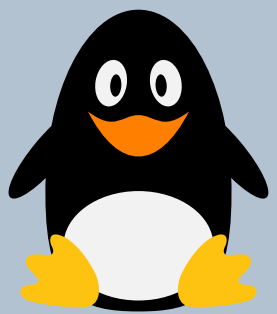
`\owl`

Available TikZlings

Meng Meng

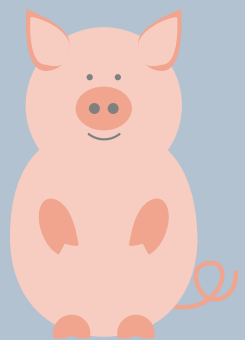
\panda

Tux



\penguin

Ms Piggy



\pig

Dürer

\rhino

Mókollur

\sheep

Riley

\sloth

Available Ti*k*Zlings

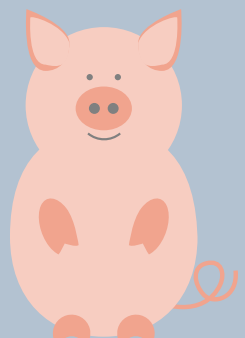
Ratatosk

`\squirrel`

Yuki

`\snowman`

Random

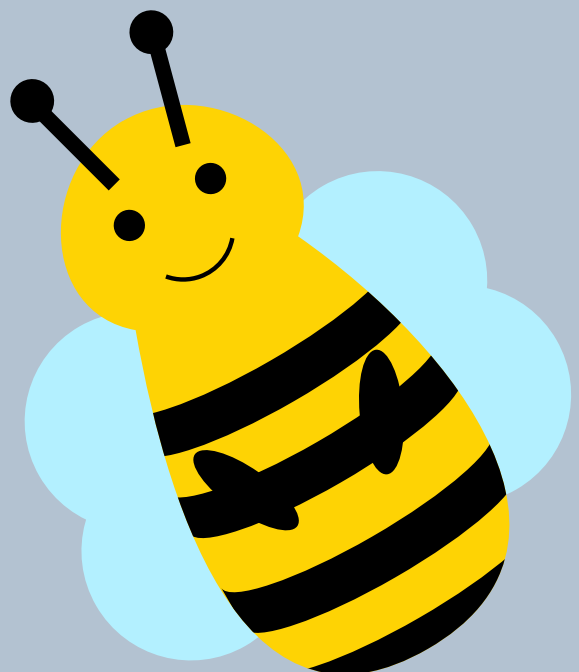


`\tikzling`

Customisation

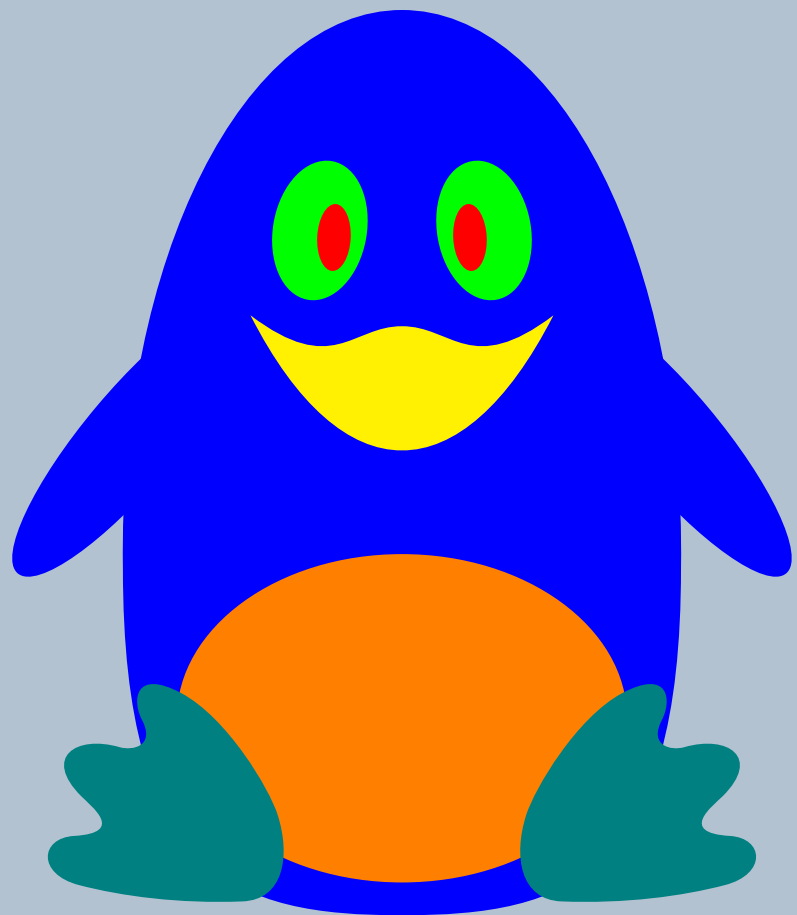
Options

```
\bee[%
  rotate=30,
  scale=2,
  xshift=-2cm
]
```



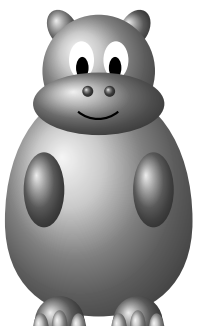
Options

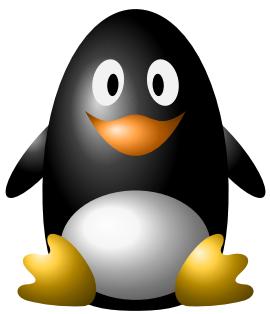
```
\penguin[%
  body=blue,
  eye=green,
  pupil=red,
  bill=yellow,
  belly=orange,
  feet=teal
]
```



Options: 3D

```
\bear[%
  3D
]
```



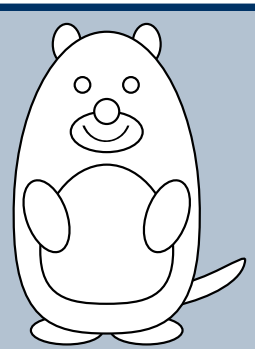


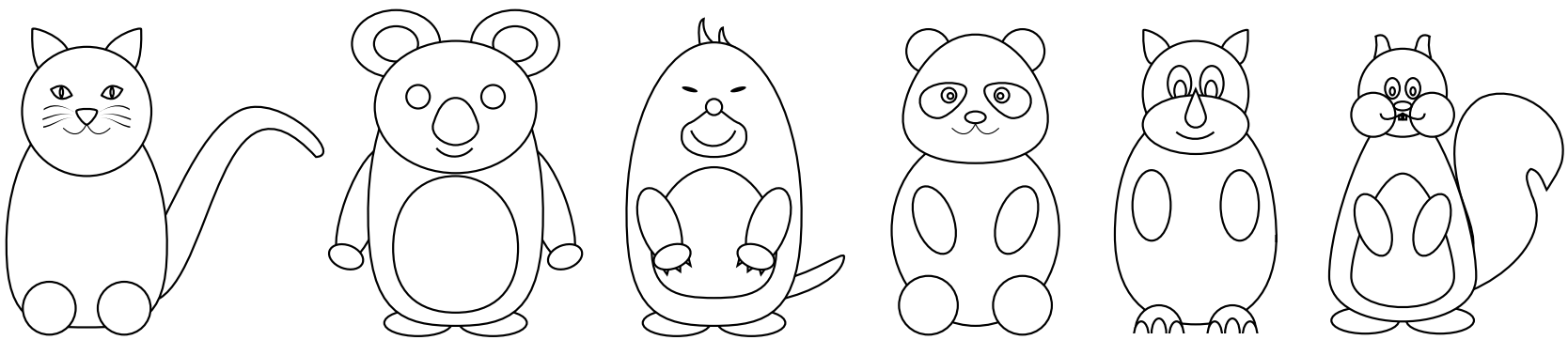
Options: back

```
\anteater[%
  back
]
```

Options: contour

```
\marmot[%
  contour
]
```

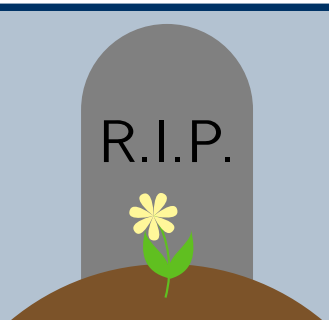




Special options

```
\snowman[%
  globalwarming,
  tophat
]
```

```
\cat[%
  schroedinger
]
```



Accessories

Accessories

```
\bear[hat=red]
```

Accessories

```
\bear[hat=red]
```

```
\squirrel
\thing[harlequin,
  scale=0.65,yshift=1.05cm
]
```

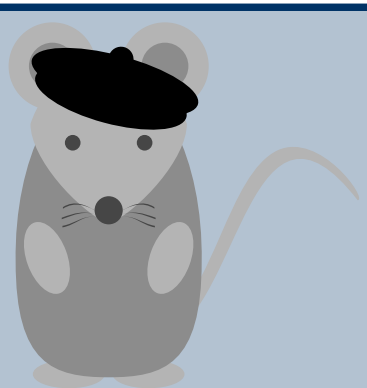
Hats

\penguin[hat]

\snowman[tophat]

\bear[graduate]

\anteater[strawhat]



\mouse[beret]

\coati[harlequin]

Crowns

`\sheep[crown]`

`\koala[queencrown]`

`\marmot[kingcrown=yellow]`

Messages

```
\pig[
signpost={TUG'21}
]
```

```
\bear[
speech={TUG'21}
]
```

```
\penguin[
think={TUG'21}
]
```

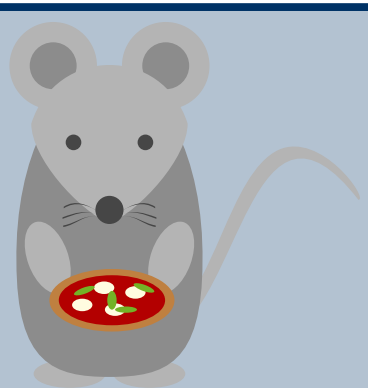
Sports

`\coati[cricket]`

`\bee[hockey]`

`\squirrel[football]`

Food



`\mouse[pizza]`

`\marmot[icecream]`

`\penguin[milkshake]`

`\coati[baguette]`

`\moles[cake]`

`\owl[wine]`

Miscellaneous Items

```
\marmot[
  crystalball]
```

```
\penguin[
  lightsaber]
```

```
\moles[
  shovel]
```

```
\rhino[umbrella]
```

```
\mouse[handbag]
```

```
\snowman[torch]
```

Bearwear (by Ulrike Fischer and the Bär)

The BearWear Package*

Idea: Bär Implementation: Ulrike Fischer†

2020-04-21

1 Basic Usage

The package is based on Ti*k*Z and the main command should be used in a `tikzpicture` or – as shown in some of the examples – with `\tikz`.

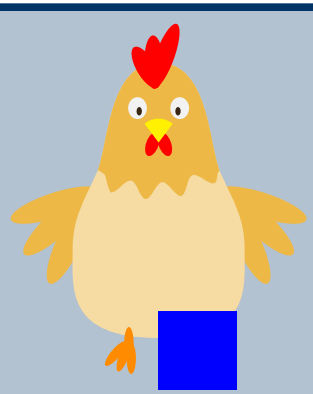
1.1 The shirts

The package provides a number of shirts for the bear, `long sleeves` and `round neckline` are the defaults:

```
\tikz\bearwear % default
   [long sleeves,
    round neckline];
\tikz\bearwear
  [t-shirt];
\tikz\bearwear
  [muscle shirt];
```

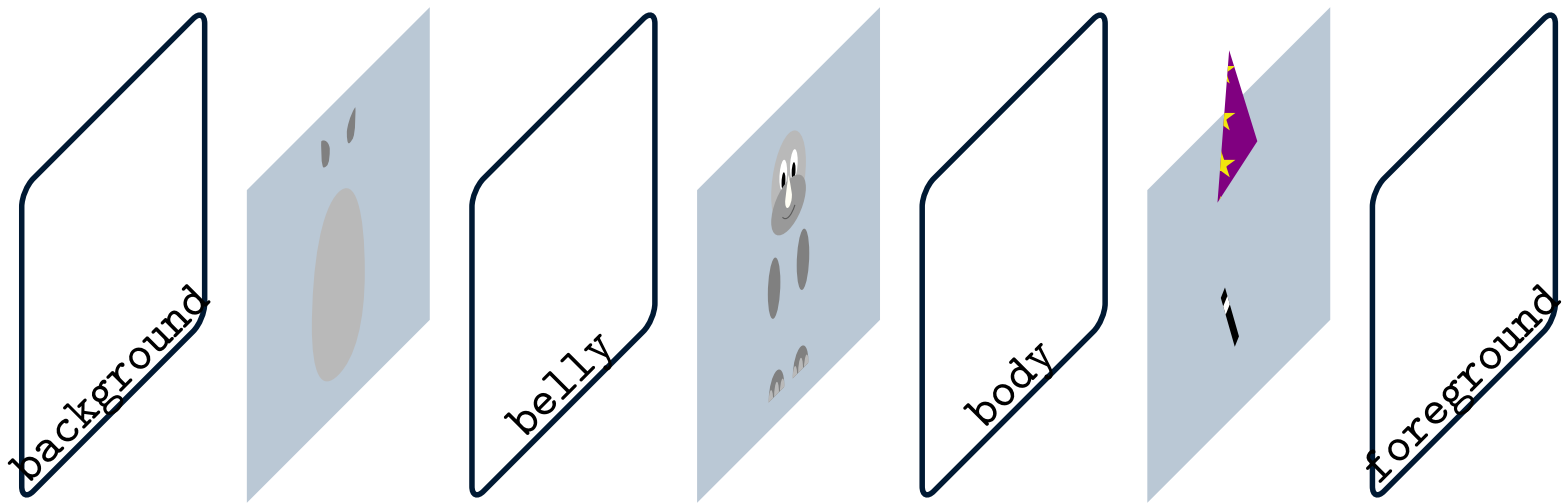
Further Additions

```
\chicken
\fill[blue] (0,0) rectangle
    (0.5,0.5);
```



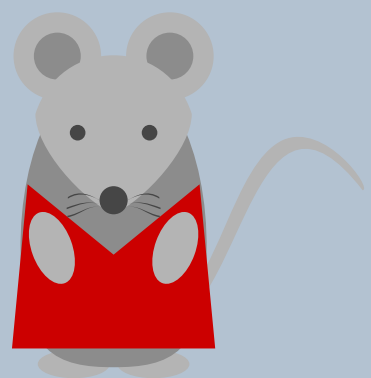
Further Additions

With macros like `\rhinohookbelly` one can inject code on different layers



Further Additions

```
\newcommand{\mousehookbelly}{%
  \fill[red!80!black]
  (0.55, 1.35) -- (0.65, 0.3) --
  (-0.65, 0.3) -- (-0.55, 1.35)
  -- (0.0, 0.9) -- cycle;
}
\mouse
```

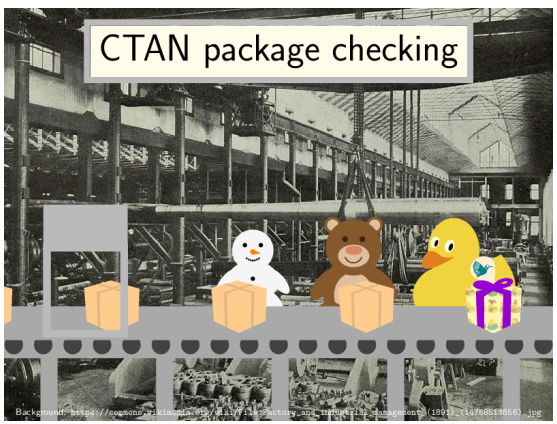


Examples

More videos

https://vimeo.com/246256860

https://vimeo.com/305374856



https://vimeo.com/380684973

https://vimeo.com/492532561

Problems or suggestions?

How to get the Ti*k*Zlings?

- both in TEXLive and MiKTEX
- CTAN: `www.ctan.org/pkg/tikzlings`
- GitHub: `https://github.com/samcarter/tikzlings`

Problems?

- Bug tracker: `https://github.com/samcarter/tikzlings/issues`

Suggestions?

- Suggestions and ideas at githubu
- Author at `topanswers.xyz/tex` and `TeXnique.fr`

Thanks a lot for your attention!