A photograph of three ducks swimming in a body of water. The ducks are brown with yellow bills and are scattered across the frame. The water is dark blue with ripples. A semi-transparent white box is overlaid on the right side of the image, containing the title text.

**Une courte introduction  
aux extensions  
TikZducks et TikZlings**

samcarter  
Journée GUTenberg 2021  
17 avril 2021

# Mes activités L<sup>A</sup>T<sub>E</sub>X

## Mes extensions

- TikZducks
- TikZlings
- jigsaw

## Des sites de questions / réponses

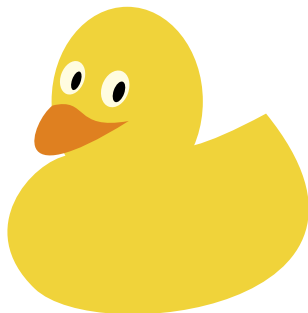
- `texnique.fr`
- `topanswer.xyz/tex`  
(en anglais)

En plus, j'aide avec beamer



**TikZducks**

# TikZducks – des canards en caoutchouc



# Utilisation

```
\documentclass{standalone}

\usepackage{tikzducks}

\begin{document}

\begin{tikzpicture}
  \duck
\end{tikzpicture}

\end{document}
```

# Utilisation

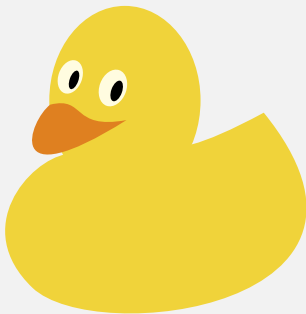
```
\documentclass{standalone}

\usepackage{tikzducks}

\begin{document}

\begin{tikzpicture}
  \duck
\end{tikzpicture}

\end{document}
```



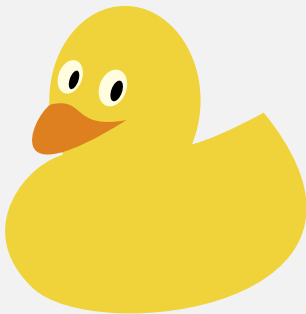
# Utilisation

```
\documentclass{standalone}
\usepackage{tikz}
\usetikzlibrary{ducks}

\begin{document}

\begin{tikzpicture}
  \draw (0,0) pic {duck};
\end{tikzpicture}

\end{document}
```



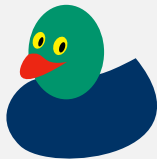


## Personnalisation



# Changer les couleurs

```
\duck[%  
  body=blue,  
  head=green,  
  bill=red,  
  eye=yellow  
]
```



# Les accessoires

```
\duck[tophat]
```



# Les accessoires

```
\duck[tophat]
```



```
\duck[tophat=red]
```



# Tikz Mode



Voir la liste complète sur <http://mirrors.ctan.org/graphics/pgf/contrib/tikzducks/tikzducks-doc.pdf>

# Les coiffures



`\duck[shorthair]`



`\duck[longhair]`



`\duck[crazyhair]`



`\duck[recedinghair]`



`\duck[mohican]`

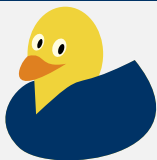


`\duck[parting]`

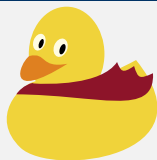
# Les vêtements



```
\duck[tshirt=gray]
```



```
\duck[jacket]
```



```
\duck[cape]
```

```
\duck[  
  tshirt=lightgray,  
  jacket=blue!50!black,  
  tie=blue!80!black,  
  mullet=brown!60!black  
]
```



# Les chapeaux



`\duck[hat]`



`\duck[tophat]`



`\duck[graduate]`



`\duck[cap]`



`\duck[beret]`



`\duck[peakedcap]`

# Les Couronnes



```
\duck[crown=gray]
```



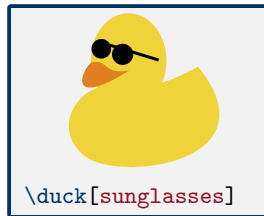
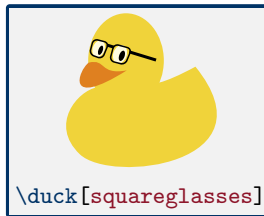
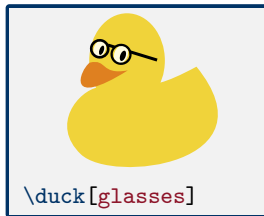
```
\duck[queencrown=  
gray]
```



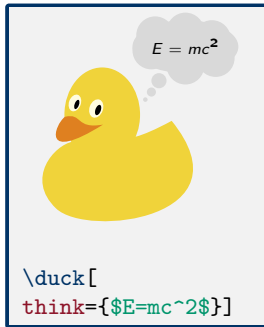
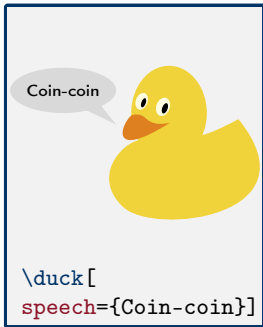
```
\duck[kingcrown]
```



# Les lunettes



# Les messages



# Les sports



```
\duck[cricket]
```



```
\duck[hockey]
```

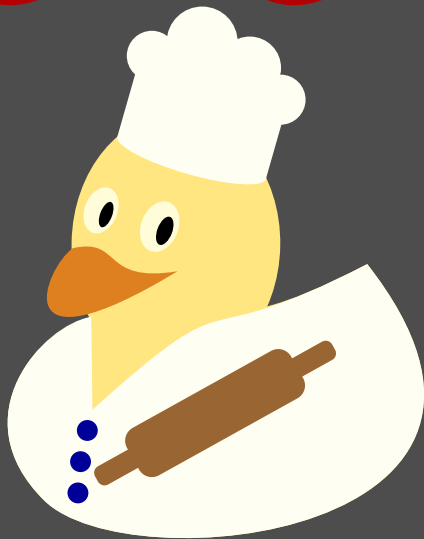
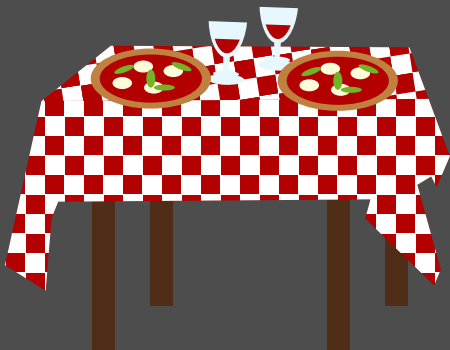


```
\duck[football]
```

```
\duck[tshirt=white,stripes={  
  \stripes[color=blue,rotate=-5,width=1.5,  
    distance=2,initialx=-1.15]  
  \stripes[color=red,rotate=-5,width=0.4,  
    distance=2,initialx=0.4]  
},football]
```



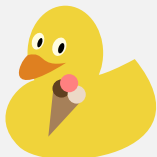
# *Chez les canards*



# TikZducks cuisine



`\duck[pizza]`



`\duck[icecream]`



`\duck[milkshake]`



`\duck[baguette]`



`\duck[cake]`



`\duck[wine]`

# Les canards au hasard

`\randuck`



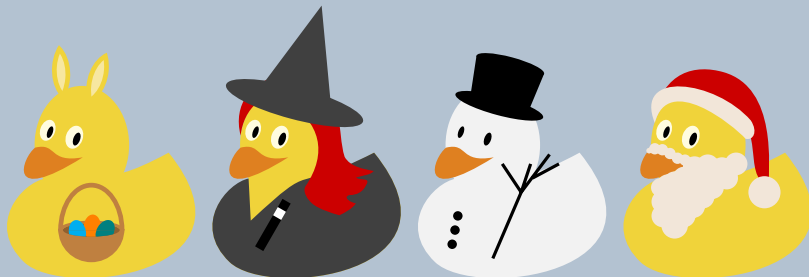
`\randuck`





Des exemples

# Toute l'année





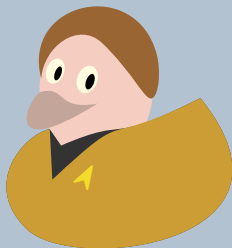
# Les animaux



# La Guerre des étoiles



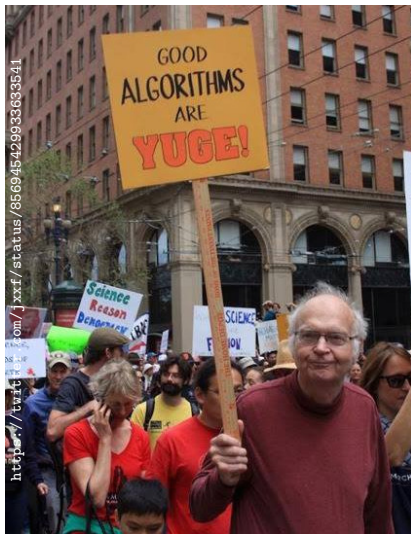
# Patrouille du cosmos





**Traduction d'une photo au TikZducks**

# Don Knuth



<https://twitter.com/jxxf/status/856945429933633541>

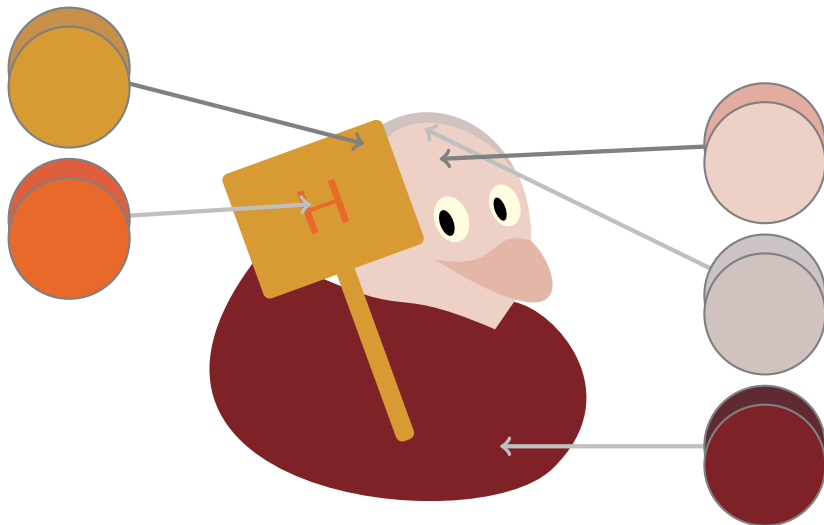
# Don Knuth



# Don Knuth

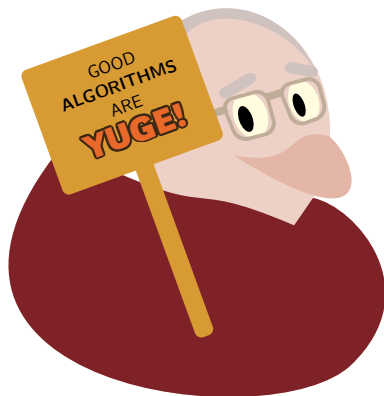


# Don Knuth





# Don Knuth



# Don Knuth





**TikZlings**

# TikZlings



# Utilisation

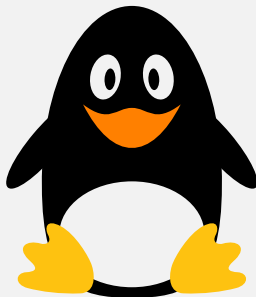
```
\documentclass{standalone}

\usepackage{tikzlings}

\begin{document}

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

\end{document}
```



# Les TikZlings

Peter



`\anteater`

Bär



`\bear`

Beeing



`\bee`

MisTikZeles



`\cat`

Paulette



`\chicken`

007



`\coati`

# Les TikZlings

Sieglinde



`\hippo`

Will



`\koala`

Phil



`\marmot`

Wilhelm



`\moles`

Tokz



`\mouse`

Jake



`\owl`

# Les TikZlings

Meng Meng



`\panda`

Tux



`\penguin`

Ms Piggy



`\pig`

Dürer



`\rhino`

Mókollur



`\sheep`

Riley



`\sloth`



# Les TikZlings

Ratatosk



`\squirrel`

Yuki



`\snowman`

au hasard



`\tikzling`

# Quelques exemples d'options

```
\bee[%  
  rotate=30,  
  scale=1.1,  
  xshift=-2cm  
]
```



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



# Quelques exemples d'options

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



```
\marmot [%  
  contour=black  
]
```



# Quelques exemples d'options

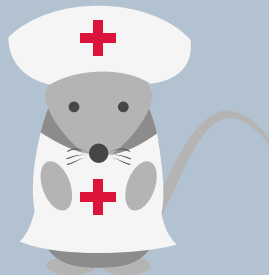
```
\snowman[%  
  globalwarming,  
  tophat  
]
```



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



# Des exemples



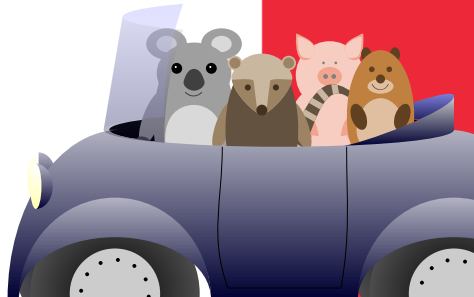
# Des exemples



# Des exemples



# Le grand Tour des TikZlings





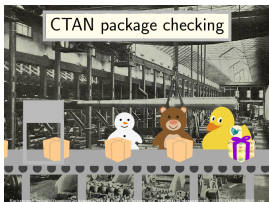
# Plus de vidéos



<https://vimeo.com/246256860>



<https://vimeo.com/305374856>



<https://vimeo.com/380684973>



<https://vimeo.com/492532561>

# Synthèse

## Où ?

- T<sub>E</sub>XLive et MiK<sub>T</sub>E<sub>X</sub>
- CTAN:  
[www.ctan.org/pkg/tikzducks](http://www.ctan.org/pkg/tikzducks)  
[www.ctan.org/pkg/tikzlings](http://www.ctan.org/pkg/tikzlings)

## Problèmes ?

- GitHub:  
<https://github.com/samcarter/tikzducks/issues>  
<https://github.com/samcarter/tikzlings/issues>

**THE  
GREAT  
TIKZLINGS  
CHRISTMAS  
EXTRAVAGANZA  
2020**





**Merci beaucoup pour votre attention !**