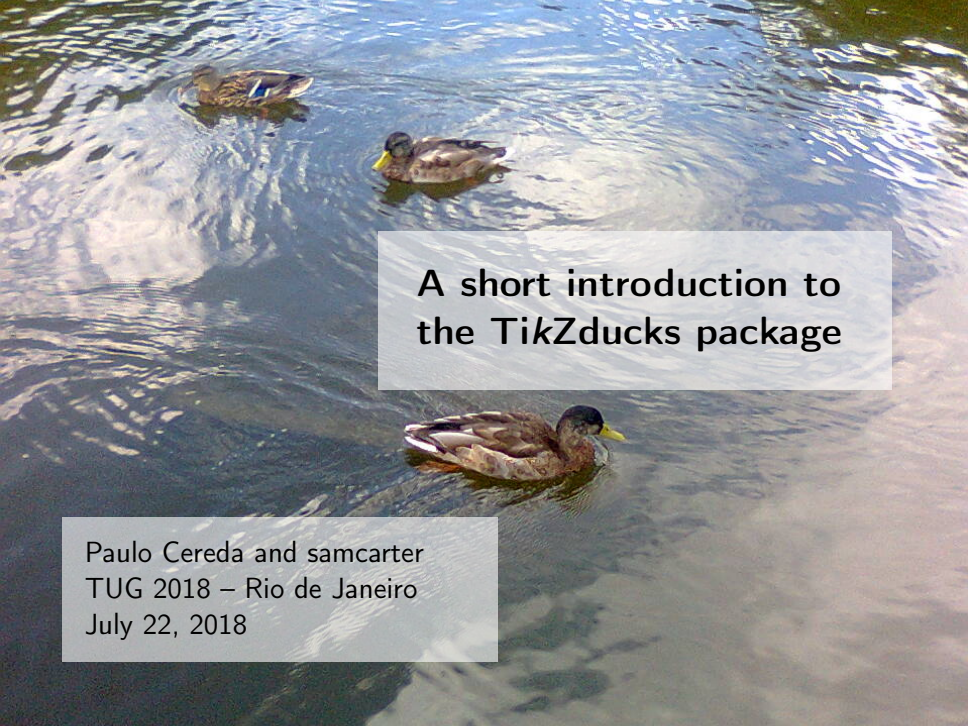


A photograph of three ducks swimming in a body of water. The ducks are brown and yellow, with one duck in the foreground and two others further back. The water is rippled and reflects light. A semi-transparent white box is overlaid on the right side of the image, containing the title text.

## A short introduction to the TikZducks package

A photograph of a duck swimming in water. The duck is brown and yellow, with a black cap and a yellow beak. It is swimming towards the right. The water is rippled and reflects light. A semi-transparent white box is overlaid on the bottom left of the image, containing the author and date information.

Paulo Cereda and samcarter  
TUG 2018 – Rio de Janeiro  
July 22, 2018



# Introduc(k)tion

# Rubber duck manufacturing

Rubber ducks can be made of latex.



*Hevea brasiliensis*

# Rubber duck manufacturing



*Hevea brasiliensis*

Rubber ducks can be made of latex.

But can they also be made of  $\text{\LaTeX}$ ?

# Rubber duck manufacturing



*Hevea brasiliensis*

Rubber ducks can be made of latex.

But can they also be made of  $\text{\LaTeX}$ ?



# Rubber duck manufacturing



*Hevea brasiliensis*

Rubber ducks can be made of latex.

But can they also be made of  $\text{\LaTeX}$ ?

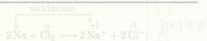


, with the TikZducks package!



$$\left\{ \text{TeX} \right\}$$

$$\oint_{\partial S} \mathbf{E} \cdot d\mathbf{l} = -\frac{\partial \Phi_{B,S}}{\partial t}$$



$$e^{ix+y} = e^x(\cos y + i \sin y)$$

Questions

Tags

Users

Badges

Unanswered

Ask Question

## How can we draw a duck (in order to create a tikzducks package and store it in CTAN)?



66



11

This question led to a new package:

[tikzducks](#)

We have a `scsnowman` package but we don't have a `ducks` package, that's quite inexplicable since ducks are **frequently used on TeX.SE** (e.g., samcarter had to fall back on `\PHdove` of `phaistos` package [here](#)).

I'm not an expert, nevertheless, I'd like to create a `tikzducks` package, similar to `tikzpeople`, but I need your help in order to create a customizable duck!

Requirements:

- I'd like to have a `duck`, not something a bit like it (ducks with a human body are NOT accepted)
- wings are mandatory
- from the look of the duck, it should appear clearly that it was created with LaTeX, not with other commercial tools.

Possible color-keys for the duck:

- body
- head
- wings
- eyes
- beak.

asked 1 year, 2 months ago

viewed 3,938 times

active 5 months ago

Linked

- 41 All uses of LaTeX (I never use LaTeX except for ...)
- 42 "The duck pond": showcase of TikZ-drawn animals/ducks
- 88 Cute (child-friendly) document in LaTeX
- 23 Holiday present-ation vs. content contest
- 9 Writing a Block Diagram for MRAC
- 2 Clipart images for LaTeX?
- 4 Reference with just part of section number after decimal point

Related

- 192 How can we draw a Christmas tree with decorations, using TikZ?
- 35 How can I draw a cake using TikZ?
- 104 How can I draw an egg using TikZ?

# Basic usage

```
\documentclass{standalone}

\usepackage{tikzducks}

\begin{document}

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

\end{document}
```



# Basic usage

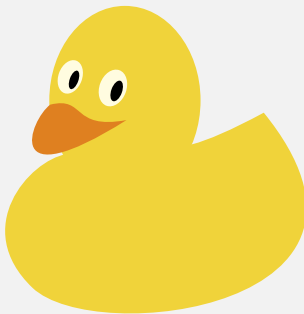
```
\documentclass{standalone}

\usepackage{tikzducks}

\begin{document}

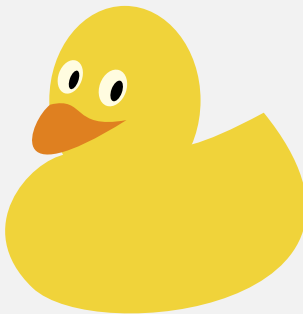
\begin{tikzpicture}
  \duck
\end{tikzpicture}

\end{document}
```



# Basic usage

```
\documentclass{standalone}  
\usepackage{tikz}  
\usetikzlibrary{ducks}  
  
\begin{document}  
  
\begin{tikzpicture}  
  \draw (0,0) pic {duck};  
\end{tikzpicture}  
  
\end{document}
```





## Customisation

# Key-value-interface

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



# Predefined addons

`\duck[tophat]`



# Predefined addons

```
\duck[tophat]
```



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



# Ti*k*z Fashion



*Be up-to-duck!*

For an exhaustive list, please see the documentation <http://mirrors.ctan.org/graphics/pgf/contrib/tikzducks/tikzducks-doc.pdf>

# Hair styles



`\duck[shorthair]`



`\duck[longhair]`



`\duck[crazyhair]`



`\duck[recedinghair]`



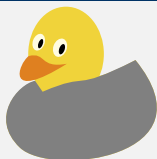
`\duck[mohican]`



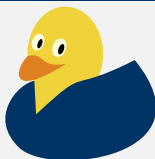
`\duck[parting]`



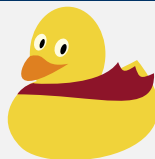
# Clothing



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



```
\duck[jacket]
```



```
\duck[cape]
```

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



# Hats



`\duck[hat]`



`\duck[tophat]`



`\duck[graduate]`



`\duck[cap]`



`\duck[beret]`



`\duck[peakedcap]`

# Crowns



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

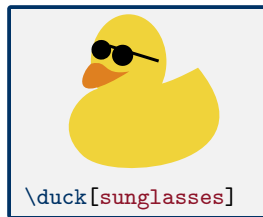
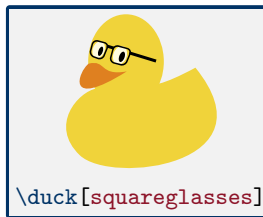
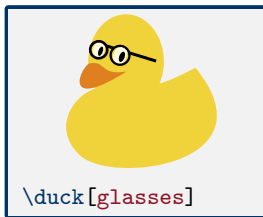


```
\duck[queencrown=  
gray]
```

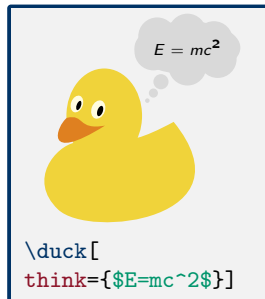
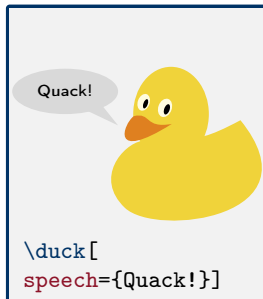
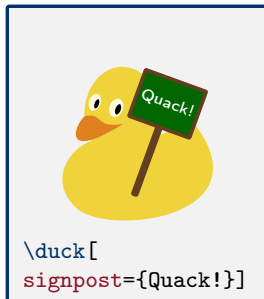


```
\duck[kingcrown]
```

# Glasses



# Messages



# Sports



`\duck[cricket]`



`\duck[hockey]`



`\duck[football]`

# Sports



`\duck[cricket]`



`\duck[hockey]`



`\duck[football]`

```
\definecolor{br_yellow}{RGB}{245,231,45}%  
\definecolor{br_blue}{RGB}{0,60,255}%  
\definecolor{br_green}{RGB}{67,129,15}%  
\duck[body=yellow!50!brown,tshirt=br_green,  
jacket=br_yellow,football,stripes={  
  \stripes[color=br_blue,rotate=-75,  
width=0.5,distance=1.5]}}
```



# Football jerseys

## Juve duck

```
\duck[tshirt=black,stripes={\stripes[  
  color=white]}],football]
```



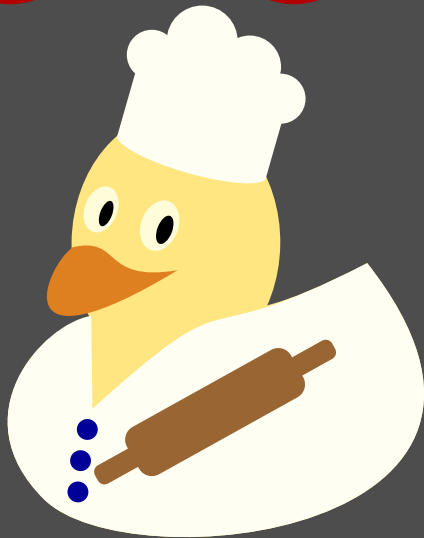
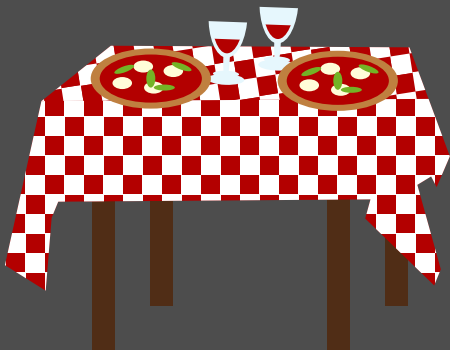
## Mönchengladbach duck

```
\definecolor{mggreen}{RGB}{37,166,89}%  
\duck[tshirt=mggreen,stripes={\stripes},  
  football]
```





# *La Barchetta*



# Food



\duck[pizza]



\duck[icecream]



\duck[milkshake]



\duck[baguette]



\duck[cake]



\duck[wine]

# Random duck generator

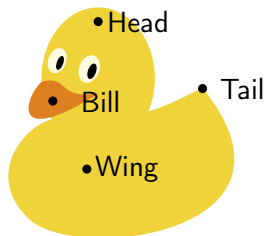
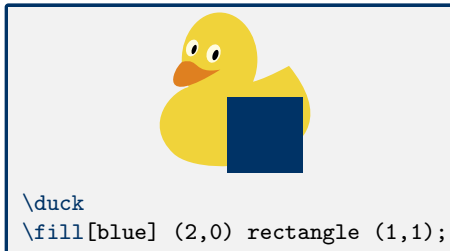
`\randuck`



`\randuck`



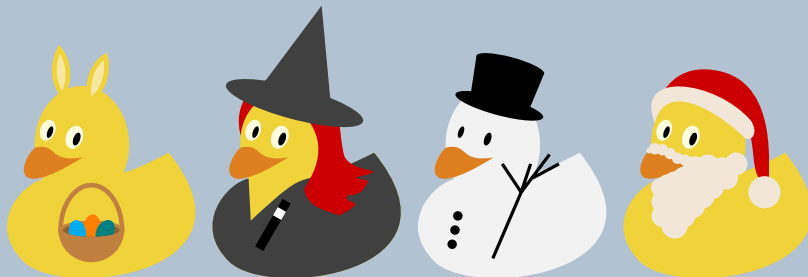
# Unlimited possibilities...





## Examples

# All year round



# Farm animals

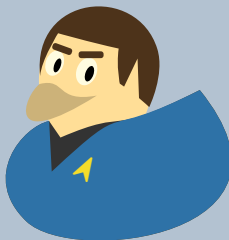
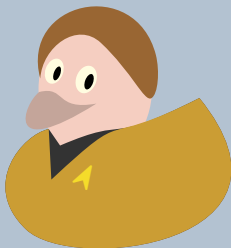


# Come to the duck side!





# Live long and prosper!



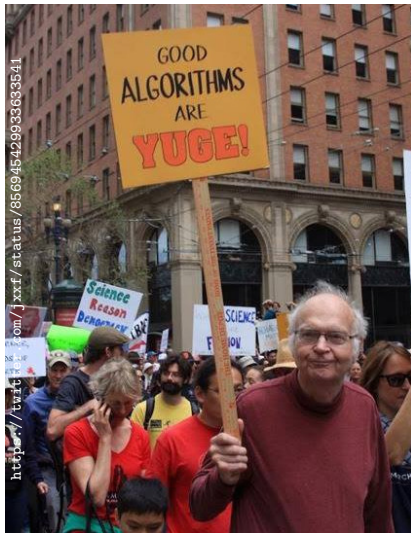
# Scout duck





## Duckification

# Duckification



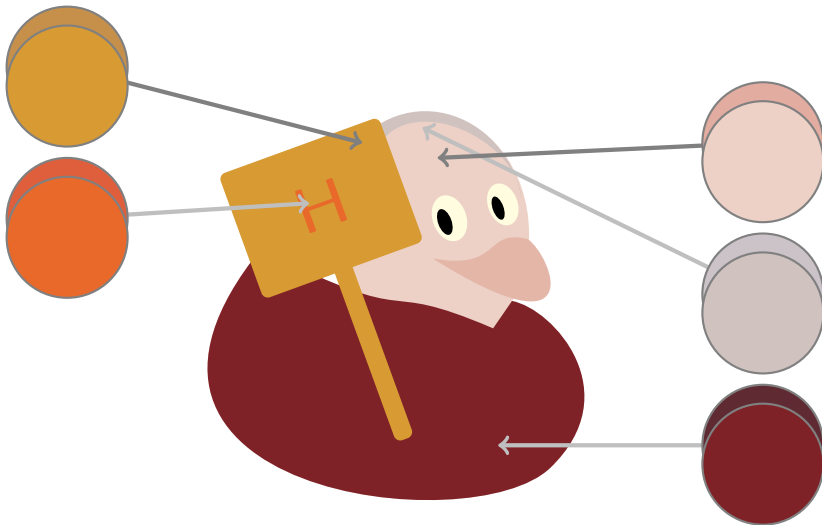
# Duckification



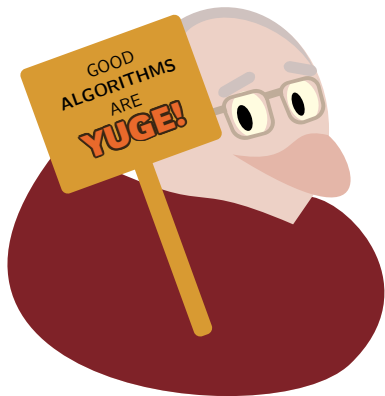
# Duckification



# Duckification



# Duckification





# Duckification





TikZducks users

**ZR-TeXnobabbler (€Ø)**

@zr\_tex8r

Follow



正月なので、アヒルにスシを乗せてみた。

#カントカ #tikzducks #いや別に意味はない



6:28 am - 1 Jan 2018

1 Like



1

**ZR-TeXnobabbler (€Ø)**

@zr\_tex8r

眠不覺 處處聞啼

post\_postamble

[d.hatena.ne.jp/zrbabbler/](http://d.hatena.ne.jp/zrbabbler/)

Joined January 2012

603 Photos and videos

・ 縦組みだから異常になる？  
・ (u)pLaTeXだから異常になる？  
・ それともそもそも仕様から外れる挙動 (←バグ) になる？  
#TeX #LaTeX

**斎藤漁火 (isari) @isaribi\_saitoh**

枠囲みの問題点

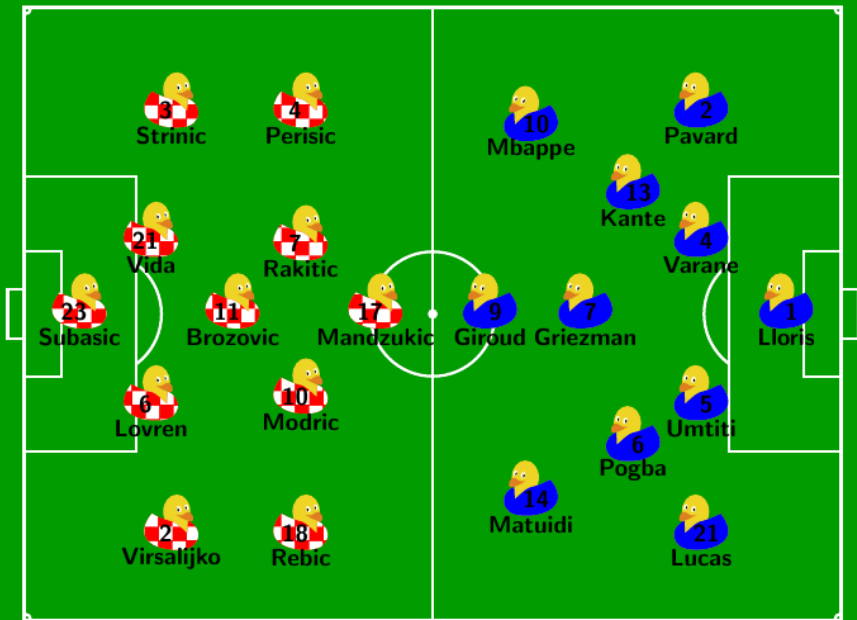
- oframed... 枠の幅がテキストの幅にフィットしない
- mdframed... 何故か上(left)の線が欠ける、幅が
- tcolorbox... そもそもutbookで使えない...

**New to Twitter?**

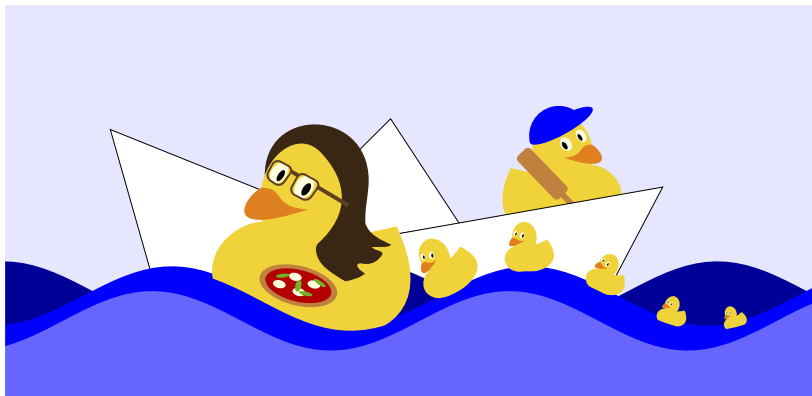
Sign up now to get your own personalised timeline!

Sign up

**You may also like** · Refresh**Acetaminophen**  
@aminophen



# Works of art



© @AlexG – for an animated version, see  
<https://tex.stackexchange.com/a/420405>

the correct way.

## 1 Pleased to meet you!



CarlaTeX on TeX.SE. She also helps me with my documents and managing my email. It's difficult when you do not have a pointer to the right person.

I was named *Paulinho* after Paulo, the author of the very convenient *amstex* package. I was developing a new version of it — we decided to go forward to using it.

Ulrike Fischer added the *van* before my name as an allusion to the Dutch (not Dutch, but of Brazil). I take this opportunity to thank her husband for making me become a professor.

TUGboat, Volume 38 (2017), No. 3

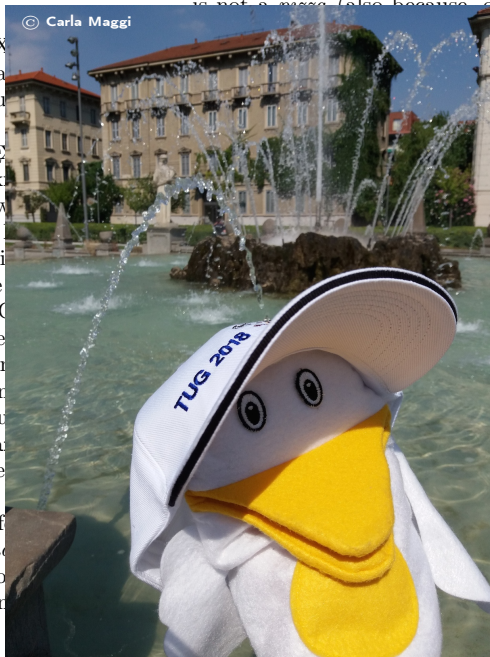
Barbara Beeton — I think she needs no more introduction — gives me the *Herr Professor* title, in order

Hi, TeX

I am a professor Paulo. If you are the TeX, likely know me.

I was named Paulo, after Paulo. I live in Brazil. I share my friend's name.

© Carla Maggi



Since I live in Italy, I must say that it is not a nice (also because otherwise, there are a lot of these strange quiet moments, very convenient).

were quiet, the ending (shocked). It happened from the TeX at all slashes. software 2013, and a way.ambar, B (or semi) codes in all grateful to fixed, finally Enrico.

Another hot (even in the meteorological

ON THE OCCASION OF THE  
TUG CONFERENCE 2018 IN RIO DE JANEIRO

WE PRESENT

TOQUINHO'S  
AQUARELA



<https://vimeo.com/270727100>

# More videos



The great TikZducks Christmas Extravaganza  
<https://vimeo.com/246256860>



International Pizza Day  
<https://vimeo.com/254643482>



Happy Groundhog Day  
<https://vimeo.com/252719006>





## Friends of the TikZducks

# Friends of the TikZducks: TikZmarmots

```
\documentclass{standalone}

\usepackage{tikzmarmots}

\begin{document}

\begin{tikzpicture}
  \marmot
\end{tikzpicture}

\end{document}
```





## Problems & Ideas

# Problems & Ideas

## Where to get the TikZducks?

- Included in T<sub>E</sub>XLive and MiK<sub>T</sub>E<sub>X</sub>
- CTAN: <https://ctan.org/pkg/tikzducks>
- GitHub: <https://github.com/samcarter8/tikzducks>

## Problems?

- Bug tracker: <https://github.com/samcarter8/tikzducks/issues>
- TeX.SE: <https://tex.stackexchange.com/questions/tagged/tikzducks>

## Suggestions?

- Bug tracker also for feature requests
- Contact the author on TeX.Stackexchange

Have fun!

