

How to simply make presentations

Keivan Zavari

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Outline

Beamer

Start

Overview on including figures

Pick a method / package for presentation

- Beamer
- It's just another class
 - similar to article, report, book, etc.
 - `\documentclass[] {beamer}`
 - write your own code
 - generate PDF → PDFLaTeX
 - options...

Outline

Beamer

Start

Overview on including figures

Just begin with it!

- Take a template
- Go to <http://people.mech.kuleuven.be/~u0065837/Latex/templates>
 - presentation template
- write your own file

Syntax - What do you need in a presentation?

Sections, subsections, general syntax

1. `\section{Motivation}, \subsection{Goals}`

```
\begin{frame}[options]{title}
```

```
\end{frame}
```

Blocks

2. `\begin{block, exampleblock, alertblock}{title}`

```
\end{block, exampleblock, alertblock}
```

Syntax - What do you need in a presentation?

Items

```
3. \begin{itemize, enumerate}  
  \item item1  
  \item item2  
\end{itemize, enumerate}
```

Figures

```
4. \includegraphics[] {image}
```

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Overview on including figures

- Third-party softwares

- Procedural figures

Different ways to include figures

Importing graphics

1. Create them with a special code

- `\draw[very thick,color = red,->] (0,0) -- (1,1);`



2. Do it in third party softwares

- import the image
- `\usepackage{graphicx}`

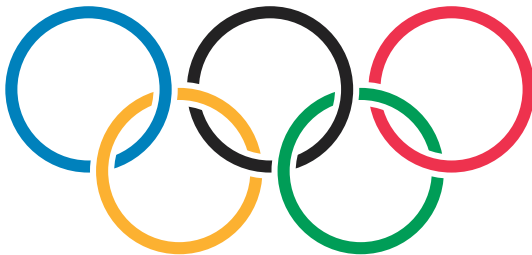
Figures - third party softwares

Just a list

- Vector graphics editors
 - Ipe
 - Inkscape
 - R
 - SVG-edit, web based
- Take a look at [comparison of vector graphics editors](#)

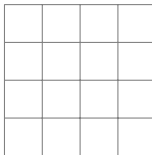
Figures - procedural graphics

- Creation of graphics directly in \LaTeX
 - Have a look at [this overview](#)
 - PGF/TikZ : `\usepackage{tikz}`, `\usetikzlibrary{}`



TikZ - syntax

- `\begin{tikzpicture}`
`\draw[step=.5cm, gray, thin] (-1,-1) grid (1,1);`
`\end{tikzpicture}`



- you can also save it in a separate file
 - `\input{drawing.tikz/tex}`

TikZ - tools

- It is also possible to generate tikz code from
 - matlab figures ([matlab2tikz](#))
 - vector drawings ([inkscape2tikz](#), etc.)
- TikZ editor [KtikZ](#)
- Generate pdf from tikz ([tikz2pdf](#), [convertTikz](#))

Finally

- Make a presentation using HTML
 - you can write LaTeX code for math
 - it's a lot cooler
 - there are ready templates out there
 - [Reveal.js](#)
 - [Deck.js](#)
 - [an overview](#)

Finally

- Don't miss [wiki overview on importing graphics](#)
- There are some more documents available on
<http://people.mech.kuleuven.be/~u0065837/Latex/manuals>
- Have more questions? Look for/ask them here:
<http://tex.stackexchange.com/>