Univ-Eiffel Template

A modern beamer theme based

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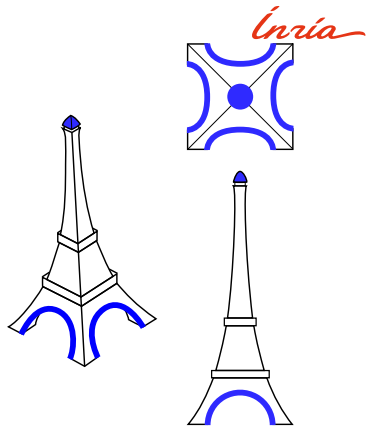
[2]Université Gustave Eiffel

[3]INRIA Rennes

[4]An Awesome Company

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Outline

Section 1

Introduction: Beamer

Contents

Title page

The Title page is printed using the command:

```
\maketitle
```

The element printed on this page are defined in the preamble by

```
\title{Univ-Eiffel Template}
\subtitle{A modern beamer theme based}
\date{\today}
\author[romain.noel@univ-eiffel.fr]{Romain NOËL}
\institute{Universtity Gustave Eiffel}
\titlegraphic{\hfill\includegraphics[height=1.5cm, draft]{Title_logo.pdf}}
\logo{\includegraphics[height=1.5cm, draft]{logo.pdf}}
```

Plain Slide

The usual page is printed and defined using the command:

```
begin{frame}
   \frametitle{Title on top of the frame}
   contenu...
end{frame}
```

Note that the logo printed on this page are defined in the preamble by

```
\logo{\includegraphics[height=1.5cm, draft]{logo.pdf}}
```

Sections

Sections group slides of the same topic

```
\section{Elements}
```

Typography

The theme provides sensible defaults to
\emph{emphasize} text, \alert{accent} parts
or show \textbf{bold} results.

becomes

The theme provides sensible defaults to emphasize text, accent parts or show **bold** results.

Font feature test

- Regular
- *Italic*
- Small Caps
- **Bold**
- ***Bold Italic***
- **Bold Small Caps**
- `Monospace`
- `Monospace Italic`
- `Monospace Bold`
- `Monospace Bold Italic`

Inria

Lists

Inria

Items
- Milk
- Eggs
- Potatoes

Enumerations
1. First,
2. Second and
3. Last.

Descriptions

PowerPoint Meeh.

Beamer Yeeeha.

Then, something below the columns, that be long enough to recover all the line-width.

Animation

- This is important
- Now this
- And now this

Animation

- This is really important
- Now this
- And now this

Figures
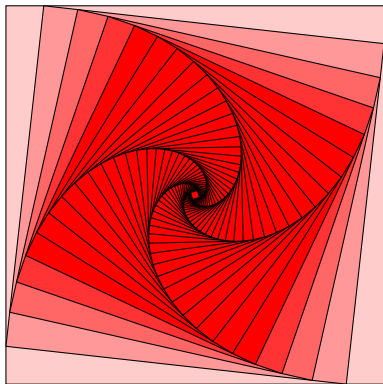

Figure: Rotated square with Tikz package from texample.net.

Table: Largest cities in the world (source: Wikipedia)

City	Population
Mexico City	20,116,842
Shanghai	19,210,000
Peking	15,796,450
Istanbul	14,160,467

Blocks

Three different block environments are pre-defined.
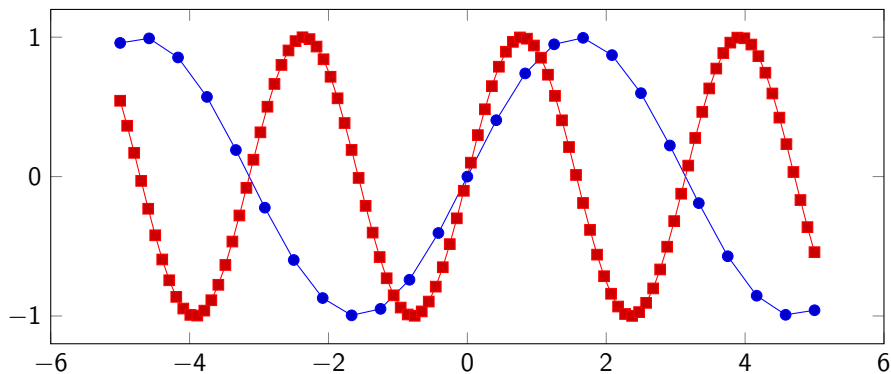
Default
Block content.

Alert
Block content.

Example
Block content.

Math

$$e = \lim_{n \to \infty} \left(1 + \frac{1}{n}\right)^n \tag{1}$$

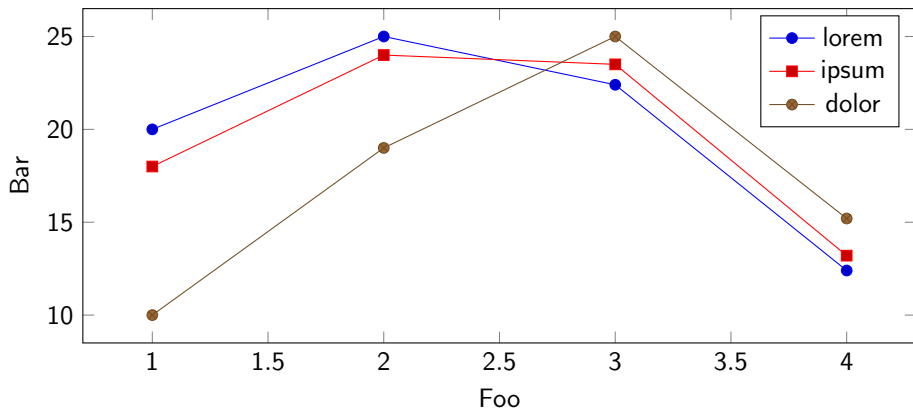# Line plots

Figure: A nice sinus plot with Tikz.

Bar charts

Figure: A nice bar chart with Tikz.

Quotes

Veni, Vidi, Vici

from Julius Caesar.

References

Some references to showcase [allowframebreaks] [1, 2, 3, 4, 5]

Section 2

Conclusion

Contents

Summary

Get the source of Metropolis theme and the demo presentation from

github.com/matze/mtheme

The theme <u>itself</u> is licensed under a Creative Commons Attribution-ShareAlike 4.0 International License.

Thank You !

Questions?

References I

[1] D. Knuth. "Two notes on notation". In: Amer. Math. Monthly 99 (1992), pp. 403–422.

[2] R. Graham, D. Knuth, and O. Patashnik. Concrete mathematics. Reading, MA: Addison-Wesley, 1989.

[3] H. Simpson. "Proof of the Riemann Hypothesis". preprint (2003), available at http://www.math.drofnats.edu/riemann.ps. 2003.

[4] P. Erdős. "A selection of problems and results in combinatorics". In: Recent trends in combinatorics (Matrahaza, 1995). Cambridge: Cambridge Univ. Press, 1995, pp. 1–6.

[5] G. D. Greenwade. "The Comprehensive Tex Archive Network (CTAN)". In: TUGBoat 14.3 (1993), pp. 342–351.

BeamerExtra

Université
Gustave Eiffel

Contents

Backup slides

Inría

Sometimes, it is useful to add slides at the end of your presentation to refer to during audience questions.

The best way to do this is to include the `appendixnumberbeamer` package in your preamble and call `\appendix` before your backup slides.

Univ-Eiffel Theme will automatically turn off slide numbering and progress bars for slides in the appendix.

Section With Pictures

As the following command indicates, it is possible to include pictures under a section title:

`\sectionpic{BeamerExtra}{\PathSO/Logos/UGE.pdf}`

Section Content

The table of content after the section slide can be turn on or off with the command:

`\boolfalse{sectionContent} % to turn off the table of content.`

From example, the table of content will be turn of for the next section (on the following slide). The name the content slide can also be modified thanks to the command:

`\renewcommand{\secContentName}{def} % to redefine the title on section content.`

Things good to know about Beamer
(not BeamerExtra)

link to hidden slide

Thanks to Beamer, you can create buttons to just to hidden slides that are in the appendices

```
\begin{frame}[label=<originalSlide>, noframenumbering]
\hyperlink{<hiddenSlide>}{\beamerbutton{NameOfButton}}
```

Don't forget to create a button to come back also!
For example : `back to previous slide !`

Inria

This slide will always be printed with

\begin{frame}<handout:1|beamer:1> or \begin{frame}<all:1>

while the following code will never appears

\begin{frame}<handout:0|beamer:0> or \begin{frame}<all:0>

Inria

This frame will appear with

```
\documentclass[]{beamer}
\begin{frame}<handout:0|beamer:1>
```

BUT the following will not appear

```
% requires handout to appear
\documentclass[10pt]{beamer}
\begin{frame}<handout:1|beamer:0>
```

BY opposition with

```
 \documentclass[handout]{beamer}
```

Things brought by good practices in UserPackage

refined name

Inria

The interactions beteween ntheorem and beamer has been solved.

Theorem 1. *contenu...*

Proof. contenu... □

Glossaries

Here is an example of acronym using glossaries: Lattice Boltzmann Method (LBM)
And an example of equation in colors, the Boltzmann equation:

$$\partial_t f(x, \xi, t) + \xi \cdot \partial_x f(x, \xi, t) + g \cdot \partial_\xi f(x, \xi, t) = \Omega(f, f) \qquad (2)$$

where f is a variable defined through glossaries.

Cite in the footnote

Some text that requires a reference[1], using the command[a]

\footfullciteBeamer{<bibKey>}

The command to cite in text mode is also possible with

\fullciteBeamer{<bibKey>}

and giving Graham, Knuth, and Patashnik, Concrete mathematics. 1989

---

[1] Knuth, "Two notes on notation". 1992

[a] Please note that this command can be used side-by-side the command footnote.

Video using media9/multimedia

The last but not least feature present is a macro simplifying the way to include videos in beamer presentation.

It requires to define the OS on which the pdf will be red, thanks to the command:

$$\def\OSvar{linux}$$

Then, the video can be included with the command:

```
\includeVideo[% no space
    width=7cm, height=5cm,]% Options
{\PathS/video.mp4}% Video File
{\includegraphics[width, height]%
    {\PathS/screenshot.png}%
}% Poster image.
```
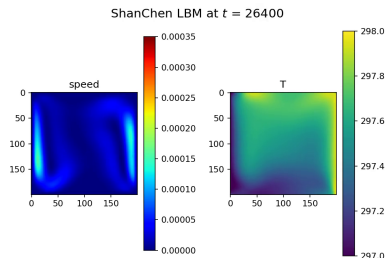
Leading to the following result:

Figure: Example of embedded video using \includeVideo.

Warning about \includeVideo.

Warning

Currently the method to include video using \includeVideo is no longer work on Windows because `flash player` is no longer supported.

Up to now, this solution is still working on Linux with `okular`, `poppler` and `phonon-backend-vlc` installed.

A possible workaround is to used external player rather than embedded solutions. An example of external inclusion on Windows with `multimedia` package is:

```
\movie[externalviewer]%
   {\includegraphics[width=\textheight]%
      {figures/image.jpg}%
   }{video_beamer.mp4}
```

Video using animate

Another solution which is use a animation
from a stack of image:

```
\animategraphics[autoplay, loop,
    width=\textwidth, controls
]%
{<frame rate>}}{Images/Image_}{0}{99}
```

or for more complex drawing:

```
\begin{animateinline}[<opt>]{<rate>}
   ... typeset material ...
\newframe[<frame rate>]
   ... typeset material ...
\newframe
   ...
\end{animateinline}
```

Figure: Example of embedded video using
\animategraphics.