

Univ-Eiffel Template

A modern beamer theme based

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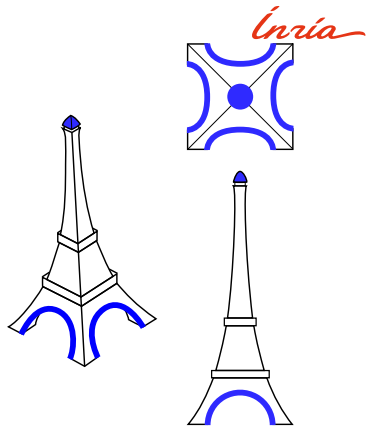
⁴An Awesome Company

January 23, 2022

The Inria logo is a stylized, red, cursive script of the word "Inria".

Outline

1. Introduction: Beamer
2. Conclusion



Section 1

Introduction: Beamer

Contents

1. Introduction: Beamer

2. Conclusion

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}}
```

The usual page is printed and defined using the command:

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

² Note that the logo printed on this page are defined in the preamble by

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

Sections

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Sections group slides of the same topic

```
\section{Elements}
```

Typography

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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

Írta

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

Lists

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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

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

Animation

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

Animation

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

Animation

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

Figures

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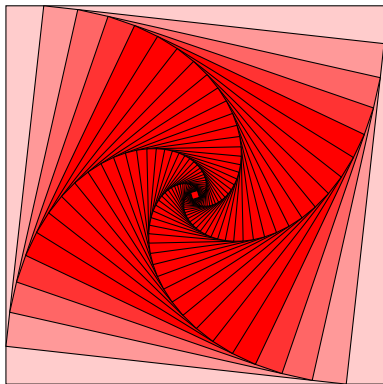


Figure: Rotated square with Tikz package from texample.net.

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

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Three different block environments are pre-defined.

Default

Block content.

Alert

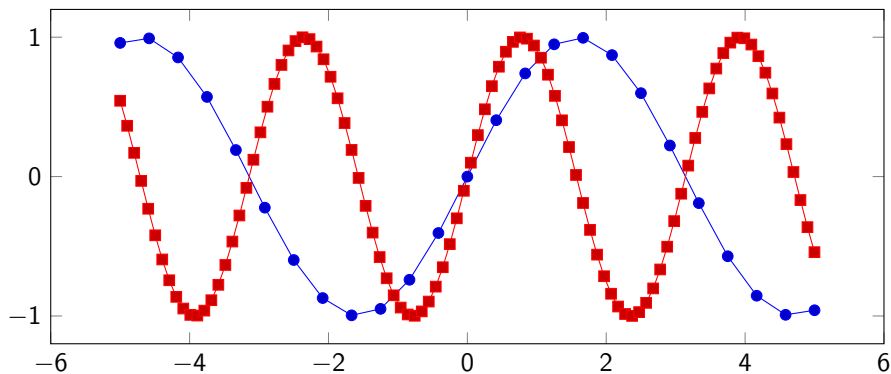
Block content.

Example

Block content.

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

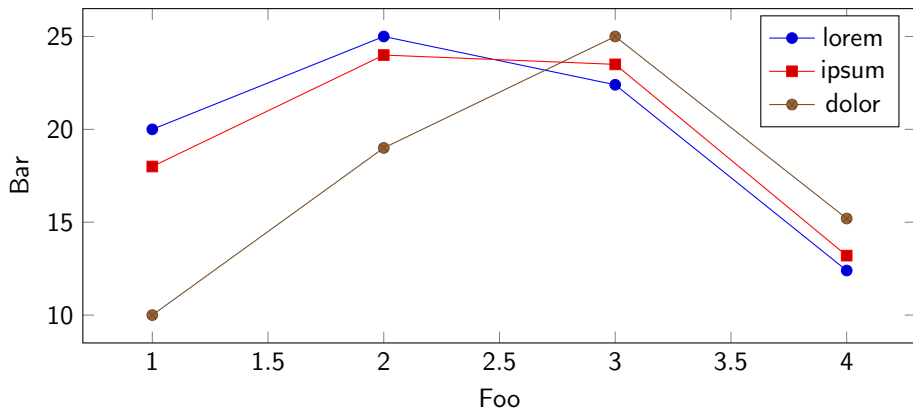
Line plots



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Figure: A nice sinus plot with Tikz.

Bar charts



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Figure: A nice bar chart with Tikz.

Quotes

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Veni, Vidi, Vici
from Julius Caesar.

References



Some references to showcase [allowframebreaks] [**Knuth92**, **ConcreteMath**, **Simpson**, **Er01**, **greenwade93**]

Section 2

Conclusion

Contents

1. Introduction: Beamer
2. Conclusion

Summary

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Get the source of Metropolis theme and the demo presentation from

`github.com/matze/mtheme`

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



Thank You !

Questions?

References I

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BeamerExtra



Contents

3. BeamerExtra

4. Things good to know about Beamer (not BeamerExtra)

5. Things brought by Good Practice in UserPackage

Backup slides



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).

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 : 

Print extended version

1

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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>
```

Print extended version

2

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 Practice in UserPackage

Contents

3. BeamerExtra

4. Things good to know about Beamer (not BeamerExtra)

5. Things brought by Good Practice in UserPackage

The interactions between ntheorem and beamer has been solved.

Theorem 1. *contenu...*

Proof. contenu...



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

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

where f is a variable defined through glossaries.

Cite in the footnote




Some text that requires a reference **Knuth92**. Using the command^a

```
\footfullciteBeamer{<bibKey>}
```

The command to cite in text mode is also possible with

```
\fullciteBeamer{<bibKey>}
```

and giving **ConcreteMath**

^aPlease note that this command can be used slide-by-slide 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:

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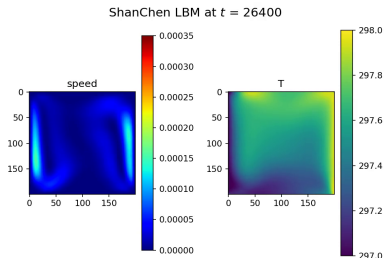


Figure: Example of embedded video using `\includeVideo`.

Warning about \includeVideo.

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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}
```

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Figure: Example of embedded video using `\animategraphics`.