

Univ-Eiffel Template

A modern beamer theme based

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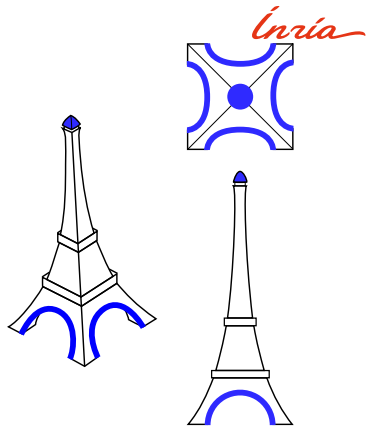
³INRIA Rennes

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Outline

1. Introduction: Beamer



Section 1

Introduction: Beamer

Contents

1. Introduction: Beamer

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}
```

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

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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

Inria

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

Animation

Inria

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

Animation

Inria

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

Animation

inria

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

Figures

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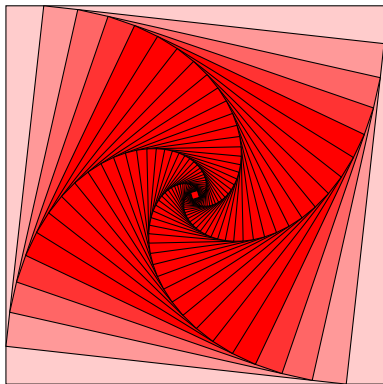


Figure: Rotated square with Tikz package from texample.net.

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

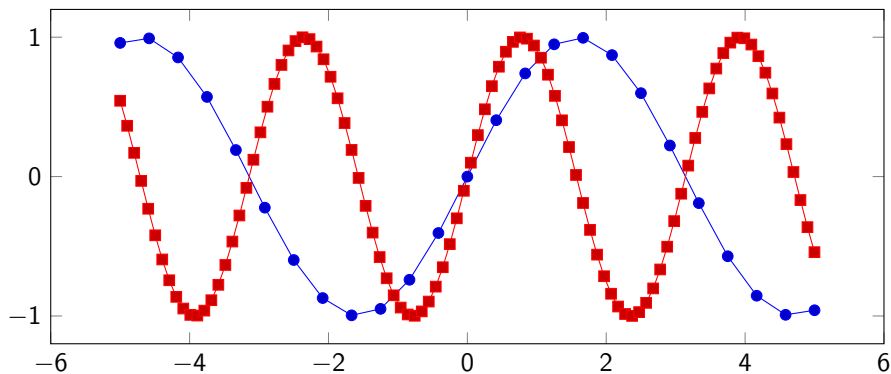
Block content.

Example

Block content.

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

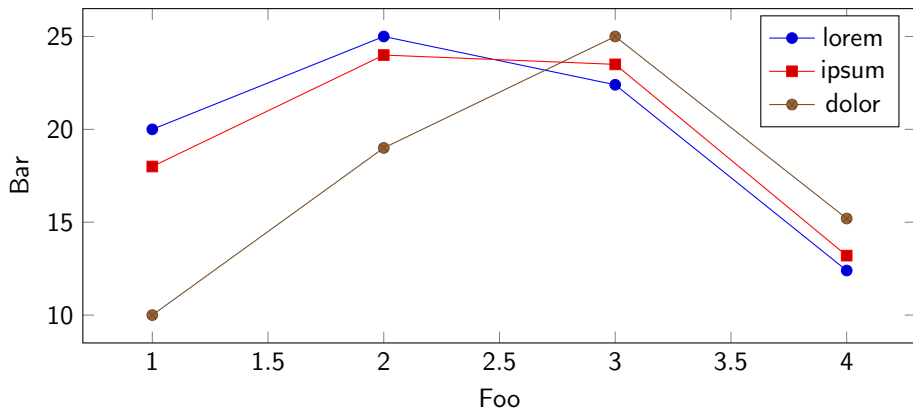
Line plots



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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

References

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

References I

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- [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



Contents

2. BeamerExtra

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

4. 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}
```

Things good to know about Beamer (not BeamerExtra)

Contents

2. BeamerExtra

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

4. Things brought by Good Practice in UserPackage

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

Inria

This slide will always be printed with

```
\begin{frame}<handout:1|beamer:1>or \begin{frame}<all:0>
```

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[aspectratio=169, 10pt]{beamer}  
\begin{frame}<handout:0|beamer:1>
```

BUT the following will not appear

```
% requires handout to appear  
\documentclass[aspectratio=169, 10pt]{beamer}  
\begin{frame}<handout:1|beamer:0>
```


Things brought by Good Practice in UserPackage

Contents

2. BeamerExtra

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

4. Things brought by Good Practice in UserPackage

Things brought by extra

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contenu...

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 reference¹. Using the command^a

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

The command to cite in text mode is also possible with

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

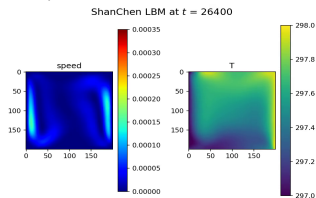
and giving Graham, Knuth, and Patashnik, Concrete mathematics. 1989

¹Knuth, "Two notes on notation". 1992

^aPlease note that this command can be used slide-by-slide the command footnote. A series of small, light-blue navigation icons typically found in Beamer presentations, including symbols for back, forward, search, and other slide controls.

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



Then, the video can be included with the command

Animated Integral

Inria