

Introduction to Beamer

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Intermediate L^AT_EX Workshop Series

① Introduction

② Basic Commands

- Structure

- Organization

- Environments

- Easter Egg!

③ Styles

④ More Uses

What is Beamer and why use it?

- A document class that creates presentations in \LaTeX
- The resulting .pdf will always appear the same
 - Easy to use on another computer
 - The content is never jumbled
- It is easy to include mathematics
- It is pretty

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 - Compile often
 - Do not stress about getting rid of every warning
- ❷ Package conflicts may occur
 - Check the Beamer class documentation for details
- ❸ It takes time to compile

Frames

- Every slide is made using the `frame` environment
- The title of slide is set by using `\frametitle{TITLE}`

Example

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\begin{frame}  
\frametitle{Frames}  
CONTENT  
\end{frame}
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Note

- It is possible to move back and forth between single and multiple columns
- The positioning of columns can be specified

Blocks

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Types

Some predefined blocks are definition, theorem, proof, example.

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What are the options?

- pause: content between pauses appears when the slide advances
- (un)cover
- (in)visible
- only

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What are the options?

- pause
- (un)cover: the content is transparent except for the specified frames
- (in)visible
- only

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What are the options?

- pause
- (un)cover
- (in)visible: the content is always “present” but only (in)visible where specified
- only

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- pause
- (un)cover
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- only: the content is only “present” on the specified frames

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To what do these apply?

- Font effects (bold, emphasis, etc.)
- Colors
- “Alerts”
- List environments
- Entries of a table
- Lines of an equation

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Material does not have to appear linearly

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Customization

Question

How much control over the style do I have? I want SUCH AND SUCH, but I have moral objections to THE OTHER THING.

- Create your own
- Use someone else's template
 - <https://www.overleaf.com/gallery/tagged/presentation>
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- Images and figures are supported
- Bibliographies are supported
- Beamer is compatible with TikZ

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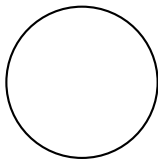
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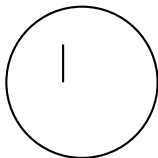
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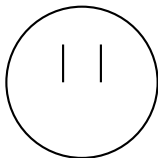
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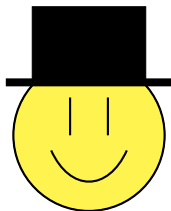
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