

Using the \LaTeX Beamer package with *Scientific Word* and *Scientific WorkPlace*

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What is Beamer?

- Beamer is a \LaTeX package designed to produce beautiful presentations with \LaTeX that can be shown with Acrobat Reader.
- This package allows you to build these presentations in Scientific Word and Scientific WorkPlace. When you run \PDF\LaTeX , you should use the TrueTeX pdfTeX and not the TrueTeX pdfTeX Multilingual formatter (go to Typeset/Expert Settings/PDF Format Settings).
- This shell document can be run through \PDF\LaTeX (Typeset, Preview PDF) to produce a sample presentation.

$$\sum_{r=0}^{\infty} r^n$$

Making Beamer frames

A Beamer frame corresponds to a presentation slide

- Use the fragment 'begin frame' in fragments/beamer to start a frame. Make sure the fragments toolbar is showing and look past '+Beamer' in the fragments list

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- Use the fragment 'Frame' to make both a beginning and an end
- Use the 'Frame title' and 'Frame subtitle' text tags to mark the titles.

- 1 Lists are the key to slide organization
- 2 Beamer provides several types of lists
- 3 Ordinary list items, such as this one, are entered normally as 'Numbered List Item' or 'Bullet List Item' on the Item Tag toolbar

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- To use a theme, e.g., Darmstadt, add '`\usetheme{Darmstadt}`' to the preamble of your document, replacing any '`\usetheme`' that might already be there

Beamer themes

Themes without navigation bars

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- **Pittsburgh: sober, right-flush titles**

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- Madrid: similar to Boadilla but with fancier item icons
- Pittsburgh: sober, right-flush titles
- **Rochester: a dominant theme**

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Themes with a tree-like navigation bar

- **Antibes:** a dominant theme with a navigation bar at the top

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- JuanLesPins: a smoother, rounder version of Antibes
- **Montpellier: sober with basic navigational hints**

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Themes with a table of contents sidebar

- Berkeley: a dominant theme

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- Goettingen: relatively sober with a full table of contents
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- **Hannover: TOC sidebar on the left balances right-flush titles; sober**

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- Singapore: a softer, not-too-sober theme with navigation
- Szeged: softer with a strong dominance of horizontal lines

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- **Warsaw: a dominant variation of Copenhagen**

- Beamer supports many different slide transitions. The transitions are displayed only when Acrobat Reader is in full-screen mode
- There are fragments for all the screen transitions supported by Beamer
- Each fragment controls the transition from the frame that precedes it to the frame that contains it
- This frame contains the 'Dissolve' transition
- Transitions do not show unless the presentation is shown full-screen (press ctrl-L in Acrobat Reader)

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- The fragment should be revised to set the column width.

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- The default fragment uses a column width of 6 cm.

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- Use the "EndColumns" tag to end the last column

Columns provide support for laying out graphics and text.

Theorem

A picture is worth 1000 words

Proof.

Look to the left



Embedding animations

Beamer presentations can include graphics and animations.

Theorem

*An animation is worth
1,000,000 words*

Proof.

Click to the right



Click me!

This slide shows an AVI file of an animated plot generated in Scientific WorkPlace and exported from VCam

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- The options 'b', 'c' and 't' place text at the bottom, vertical center and top of the slides respectively

Class options

Notes

This slide contains a note so that you can test the notes options. This shell is originally supplied with the option 'notes=show'.

2014-02-23

L^AT_EX Beamer package

└─ Using Beamer in Scientific Word and Scientific WorkPlace

└─ Class options

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Class options

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Here is a Beamer note

Conclusion

- This shell and the associated fragments provide basic Beamer support. For more control over your presentation, read the BeamerUserGuide.pdf manual and use encapsulated TeX buttons
- For support, contact support@mackichan.com
- This is a beta version of this support
- [Click here](#) to go to the beginning of this presentation