

lectureStudio – Tutorial 4: LaTeX Slides

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<https://www.lecturestudio.org>





Categories of eTeaching Tools

- presentation tools (with integrated whiteboard)
 - PowerPoint, pdfpc, ...
- presentation recording and postprocessing tools
 - Panopto, Camtasia, Snagit, ...
- streaming / video conference tools
 - BigBlueButton, Zoom, ...
- interactive poll/quiz execution tools
 - Pingo, Moodle, ...
- interactive group chat tools
 - Element, Zoom, ...
- ...

**lecture-
Studio**

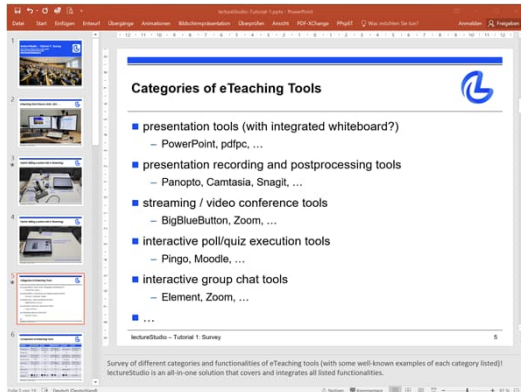


Categories of eTeaching Tools

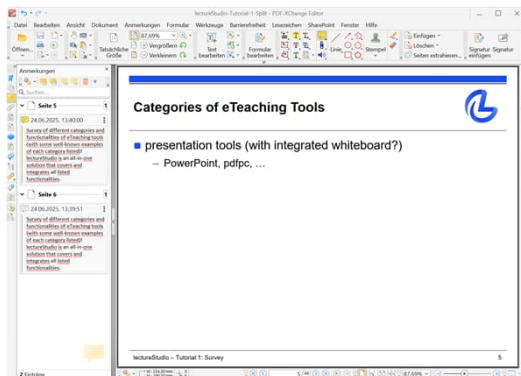
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**lecture-
Studio**

Starting Point: PDF Document (Created with LaTeX)



Powerpoint presentation
(with animations)



PDF presentation
(with embedded notes)

LaTeX
compiler

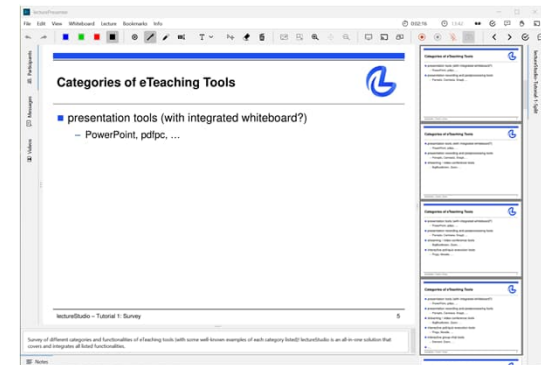
open

```
\documentclass{beamer}
\usetheme{Boadilla}

\title{How to use Beamer slides with the
lectureStudio Presenter}
\author{Andy Sch\"urr}
\institute{Technical University of
Darmstadt}
\date
\today

\begin{document}
\begin{frame}

...
\end{frame}
...
\end{document}
```



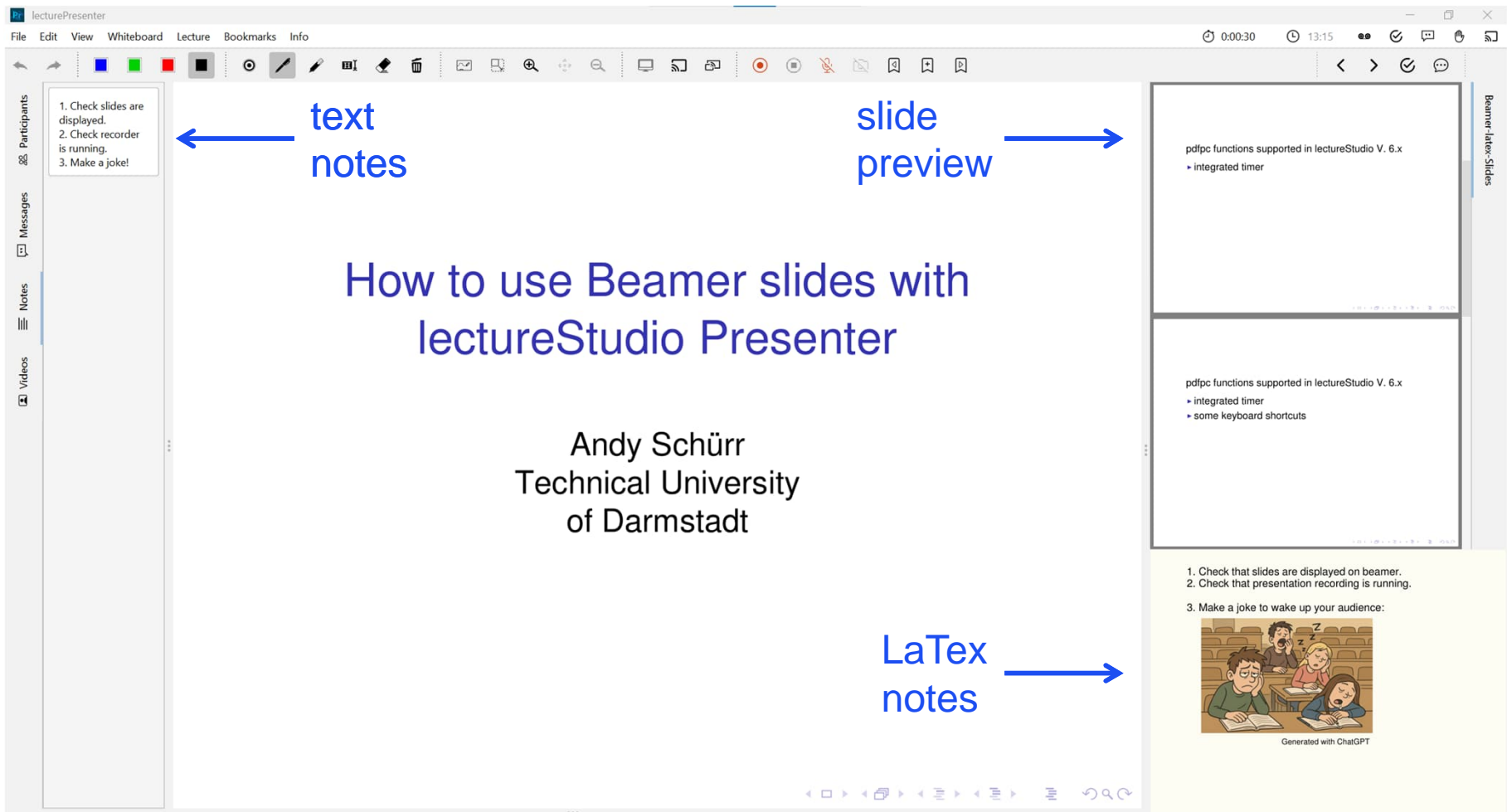
presentation, recording, streaming
(with lectureStudio Presenter)

pdfpc Functions Not Supported until Version 6.x



- integrated timer / stopwatch
- recognition of sequences of slide overlays
- some keyboard shortcuts for navigation purposes
- additional keyboard shortcuts for annotation tools
- displaying notes slides (with formulas, pictures, ...)
- displaying simple text notes (annotations)
- handling of bookmarks (of slides)

lectureStudio Presenter – User Interface

The screenshot shows the lectureStudio Presenter application window. The main area displays a Beamer slide titled "How to use Beamer slides with lectureStudio Presenter" by Andy Schürr from the Technical University of Darmstadt. The slide content includes a list of tasks: "1. Check slides are displayed.", "2. Check recorder is running.", and "3. Make a joke!". To the left of the main slide area is a vertical sidebar with tabs for "Participants", "Messages", "Notes", and "Videos". The "Notes" tab is active, showing a list of tasks: "1. Check slides are displayed.", "2. Check recorder is running.", and "3. Make a joke!". To the right of the main slide area is a vertical sidebar with a tab for "Beamer-latex-Slides". This sidebar contains two preview windows. The top preview window shows the slide content, and the bottom preview window shows a cartoon illustration of three people in a lecture hall, with one person sleeping. The cartoon is labeled "Generated with ChatGPT". Blue arrows point from the text labels "text notes", "slide preview", and "LaTeX notes" to their respective components in the interface.

lectureStudio Presenter – User Interface



lecturePresenter

File Edit View Whiteboard Lecture Bookmarks Info

0:08:27 13:09

Participants

- 1. Check slides are displayed.
- 2. Check recorder is running.
- 3. Make a joke!

Messages

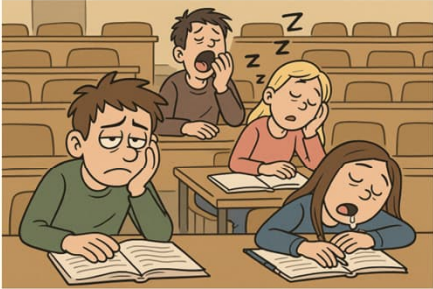
Notes

Videos

Separate window for LaTeX notes

Slide notes

1. Check that slides are displayed on beamer.
2. Check that presentation recording is running.
3. Make a joke to wake up your audience:



Generated with ChatGPT

Beamer-latex-Slides

pdfpc functions supported in lectureStudio V. 6.x

- integrated timer

pdfpc functions supported in lectureStudio V. 6.x

- integrated timer
- some keyboard shortcuts

pdfpc functions supported in lectureStudio V. 6.x

- integrated timer
- some keyboard shortcuts
- recognition of slide overlays

LaTeX Beamer Package – Generated PDF Pages



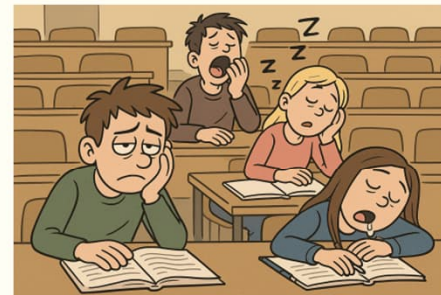
How to use Beamer slides with lectureStudio Presenter

Andy Schürr
Technical University
of Darmstadt

+ hidden pdf notes/comments



1. Check that slides are displayed on beamer.
2. Check that presentation recording is running.
3. Make a joke to wake up your audience:



Generated with ChatGPT

content for audience

associated notes

lectureStudio Presenter – Stopwatch / Timer



lecturePresenter

File Edit View Whiteboard Lecture Bookmarks Info

Participants Messages Notes Videos

1. Check slides are displayed.
2. Check recorder is running.
3. Make a joke!

How to use Beamer slides with lectureStudio Presenter

Andy Schürr
Technical University of Darmstadt

☒ Stopwatch ☐ Timer
Configured Time (Format: hh:mm)

Save Close

0:00:30 13:15

Beamer files Slides

pdfpc functions supported in lectureStudio V. 6.x
• integrated timer

pdfpc functions supported in lectureStudio V. 6.x
• integrated timer
• some keyboard shortcuts

1. Check that slides are displayed on beamer.
2. Check that presentation recording is running.
3. Make a joke to wake up your audience:

Generated with ChatGPT

Start/pause: “S”
Reset: “Ctrl-T”

lectureStudio Presenter – Keyboard Shortcuts



- “Z” for zoom-in to slide / “1” for zoom-out of slide
- “2” (and “L”) for laser pointer activation
- “3” (and “P”) for normal pen activation
- “5” (and “H”) for highlighter pen activation
- “6” (and “Ctrl-H”) for text highlighting tool activation
- “7” (and “T”) for text input tool activation
- “4” (and “E”) for annotation eraser tool activation
- “C” (and “ESC”) for deleting all annotations on slide

lectureStudio Presenter – Keyboard Shortcuts



- next slide/page: “→”, “↓”, “Page-↓”, “space”
- previous slide/page: “←”, “↑”, “Page-↑”, “backspace”
- jump 10 slides forward/backward: “Shift-→” / “Shift- ←”
- first/last slide of overlay sequence: “Shift-↑” / “Shift-↓”
- slide before/after overlay sequence: “Shift-Page-↑” / “Shift-Page-↓”
- goto to slide: “G” + slide number
- set default bookmark to current page: “M”
- jump to default bookmark: “Shift-M”

lectureStudio Editor – Bookmarks



The screenshot shows the lectureStudio Presenter interface. The main slide displays the title "How to use Beamer slides with lectureStudio Presenter" and the author "Andy Schürr, Technical University of Darmstadt". The left sidebar contains a list of participants, messages, notes, and videos. The top menu bar includes File, Edit, View, Whiteboard, Lecture, Bookmarks, and Info. The Bookmarks menu is highlighted with a blue box and an arrow pointing to the main slide. The right sidebar shows a list of Beamer slides, with the first slide highlighted. The slide content includes a list of tasks: "1. Check slides are displayed.", "2. Check recorder is running.", and "3. Make a joke!". The slide also features a cartoon illustration of three people sleeping in a lecture hall, generated with ChatGPT.

bookmark commands for default bookmark and additional user-defined bookmarks

lectureStudio Presenter – Additional Shortcuts



The screenshot shows the lectureStudio Presenter application window. The title bar reads 'lecturePresenter'. The menu bar includes 'File', 'Edit', 'View', 'Whiteboard', 'Lecture', 'Bookmarks', and 'Info'. The 'Info' menu is highlighted with a blue box and a blue arrow pointing to it. The main slide area displays a Beamer slide titled 'How to use Beamer slides with lectureStudio Presenter' by Andy Schürr from the Technical University of Darmstadt. The slide content includes a list of pdfpc functions supported in lectureStudio V. 6.x: integrated timer and some keyboard shortcuts. A list of instructions is also shown: 1. Check that slides are displayed on beamer, 2. Check that presentation recording is running, 3. Make a joke to wake up your audience. Below the instructions is a cartoon illustration of students sleeping in a lecture hall, generated by ChatGPT. The left sidebar shows a list of participants, messages, notes, and videos. The right sidebar shows a list of Beamer files and slides.

1. Check slides are displayed.
2. Check recorder is running.
3. Make a joke!

How to use Beamer slides with
lectureStudio Presenter

Andy Schürr
Technical University
of Darmstadt

pdfpc functions supported in lectureStudio V. 6.x
• integrated timer

pdfpc functions supported in lectureStudio V. 6.x
• integrated timer
• some keyboard shortcuts

1. Check that slides are displayed on beamer.
2. Check that presentation recording is running.
3. Make a joke to wake up your audience:

Generated with ChatGPT

display all available keyboard shortcuts
(or type “Shift-H”)

lectureStudio – Tutorial 4: LaTeX Slides

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- Dept. of Computer Science, TU Darmstadt
(<https://www.informatik.tu-darmstadt.de/fb20/>)