The beamer-lzu theme

zibuyu

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1 Overview

beamer-lzu is a 16:9 Beamer theme inspired by Oscar Tuo's Touying-LZU presentation theme. It provides a title page, an automatically linked outline, section overview pages, a compact navigation header, a footer with the logical frame number, and focus and closing pages. The theme is implemented in LaTeX3 and uses Beamer's normal overlay commands. The complete, editable presentation in `main.tex` demonstrates all of these features.

The theme requires a current LaTeX format, Beamer, TikZ, and `multicol`. Compile the supplied examples with LuaLaTeX. The English examples need no Chinese typesetting packages. The Chinese examples additionally use `ctex` with the Fandol font set. The short starting templates are `template-en.tex` and `template.tex`; the complete demonstrations are `main-en.tex` and `main.tex`.

2 First presentation

Keep `beamerthemeLZU.sty` and `assets/` together in the same directory as the presentation, or install them together in a TeX tree. A minimal document is:

```
\documentclass[aspectratio=169,9pt,t]{beamer}
\usetheme{LZU}
\title{Presentation title}
\author{Presenter}
\institute{Lanzhou University}
\date{\today}
\begin{document}
\maketitle
\lzuoutline[Outline]
\section{Introduction}
\subsection{Question}
\begin{frame}{Question}
  The first point. \uncover<2->{The next point.}
\end{frame}
\lzuend{Thank you}
\end{document}
```

Run `lualatex` three times to resolve the outline, navigation, and TikZ page positions. In this source distribution, `l3build doc` builds the manual and all four example presentations. The resulting PDFs appear in the project root. Run `l3build check` to check navigation and frame numbering, then `l3build ctan` to create the upload archive.

3 Theme commands

`\maketitle` Creates an unnumbered title page.

`\lzuoutline[Title]` Creates a linked, two-column outline. The optional title defaults to the Chinese word for "Contents".

`\section{Title}` Begins a section and inserts an overview page showing the sections and subsections.

`\subsection{Title}` Adds an entry to the outline and section overview page.

`\lzufocus{Text}` Creates an unnumbered blue focus page.

`\lzuend{Text}` Creates an unnumbered closing page.

The default `\usetheme{LZU}` selects top navigation. Set `navigation=sidebar` for the right sidebar or `navigation=none` to hide the navigation header. Pass the option in the optional argument of `\usetheme`. The header links to the sections and the first page of each content frame. All overlays in a frame share one logical frame number. After `\appendix`, the footer's main-frame total stays fixed.

4 Overlays and handouts

Write overlays using Beamer's `\pause`, `\uncover`, `\visible`, and `overprint` constructs. Each overlay is a PDF page, so any PDF viewer can advance it one step at a time. Add the `handout` class option to merge overlays for printed notes. The animated examples in `main-en.tex` and `main.tex` retain their final state in handout mode.

5 License and credits

The theme is released under the MIT License. See `LICENSE` for the copyright notices of zibuyu and Oscar Tuo. The original Touying-LZU project supplies the university visual assets. Its README describes the university logo as official visual identity material and the building background as AI-generated artwork. Confirm that redistribution of those assets is permitted before distributing this package. The source and issue tracker are at https://github.com/LUX-ETVERITAS/beamer-lzu.