

“Mirage” beamer and ltx-talk theme

“蜃楼” beamer 与 ltx-talk 主题

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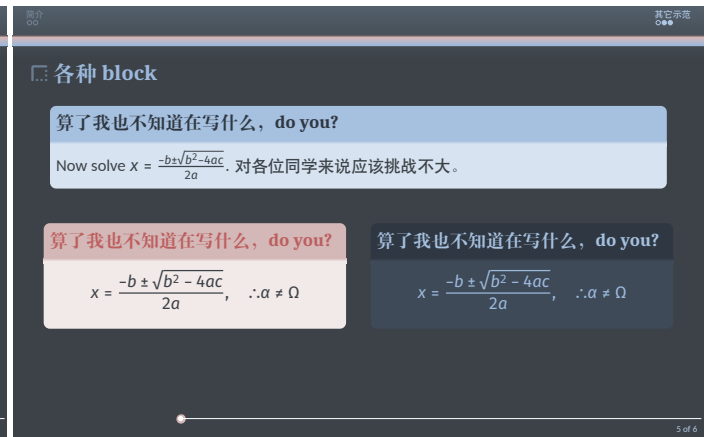
<https://github.com/liantze/beamerthemeMirage>

Abstract

A beamer and ltx-talk theme inspired by the **album art** of the song *Mirage*.

摘要

基于《蜃楼》歌曲宣传封面二创的 beamer 和 ltx-talk 主题。



1 Basic Usage

Two modes are available: the default has a dark look, while the light mode may be more suitable for printouts.

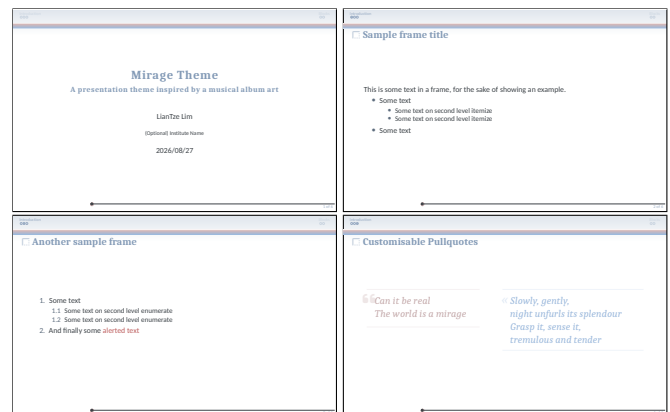
`\usetheme{Mirage}` OR `\usetheme[light]{Mirage}`

The English sample files `*-en.tex` can be compiled with pdf $\LaTeX$, X $\LaTeX$ or Lua $\LaTeX$; but compile the Chinese sample files `*-zh.tex` with X $\LaTeX$. Compile twice to get the correct total number of frames in the footer.

1 基本用法

两种模式可选：默认模式颜色深沉，light 模式颜色较浅，较适合列印。详细使用方法可参考示范.tex 文档。

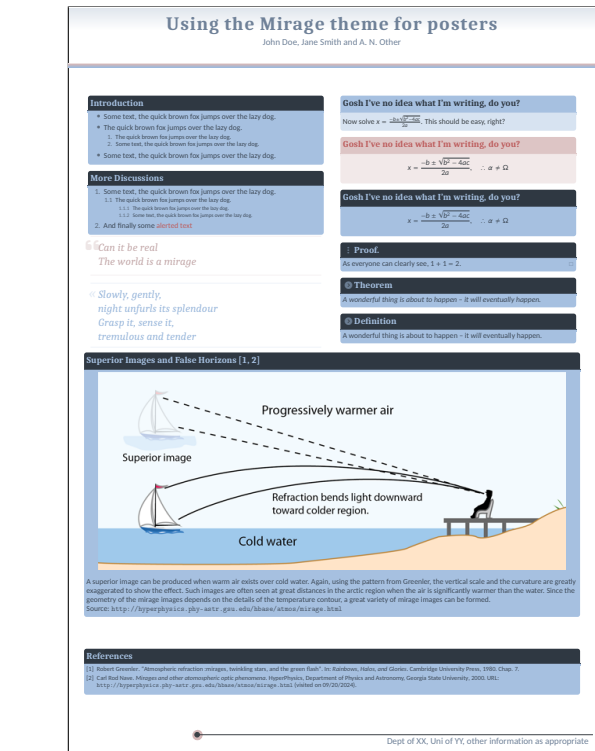
英文示范文档 `*-en.tex` 可用 pdf $\LaTeX$, X $\LaTeX$ 或 Lua $\LaTeX$ 编译。中文示范文档 `*-zh.tex` 请用中文编译。页脚里的幻灯片帧数需多次编译才能正确显示。





2 Posters

With some modifications, the Mirage theme can be used for creating posters the beamerposter package. See sample files `mirage-poster-en.tex` and `mirage-poster-zh.tex` for examples.

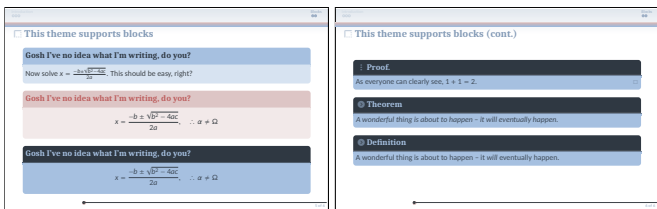


3 Experimental ltx-talk theme

A `ltx-talk` theme `talkthemeMirage.sty` is provided, leveraging on the `beamertheme-tcolorbox ltx-talk` theme. It's still very experimental, so use at your own risk. See the sample file `mirage-talk.tex`.

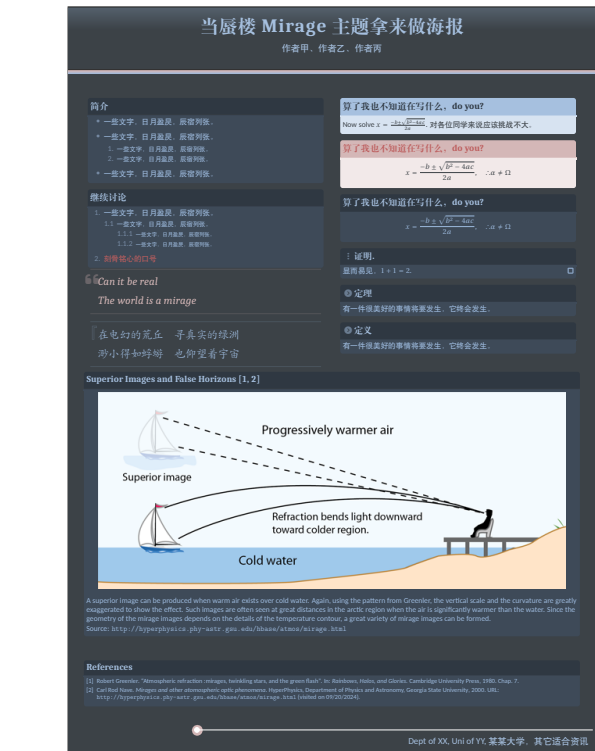
4 Some simple customisation options

- The Mirage theme itself doesn't set any body fonts, so you can load your own preferred fonts in your `.tex` files.
- The sample `.tex` files load the font packages `caladea`, `carlito`, `newtxsf` for the English (pdf $\TeX$) samples, and `Fira Math` for the Chinese (X $\LaTeX$) samples. You can change these as you like.
- `pullquote` used in frame 4 is a custom environment. You can change its beamer font and color, or re-define the `\MiragePullquoteOpen` marker (see frame 4).
- Other markers that can be `\renewcommand`:



2 海报

“蜃楼”主题也可以和 `beamerposter` 搭配使用制作海报 (一些设置需些许修改), 请参照 `mirage-poster-zh.tex` 及 `mirage-poster-en.tex`.



3 ltx-talk 主题

尝试做了一个适配 `ltx-talk` “蜃楼”主题 `talkthemeMirage.sty`, 十分感谢 `beamertheme-tcolorbox ltx-talk` 主题。请参照 `mirage-talk.tex`。目前还很粗糙, 请自行斟酌使用。

4 一些可调整的元素

- “蜃楼”本身并没有设置任何字体, 用户可以自行在 `.tex` 导言曲加载自己喜欢的宏包或设置字体。
- 示范的 `.tex` 档案导言区加载了 `caladea`, `carlito`, `newtxsf` (仅限英文pdf $\TeX$ 示范文档)、`Fira Math` (仅限中文X $\LaTeX$ 示范文档)。这些都是可以自行更换的!
- 第 4 帧幻灯片里用的 `pullquote` 环境是“蜃楼”主题自定义的。它的 `beamer font`, `color` 都是可以更换的, 也可重新定义前缀装饰 `\MiragePullquoteOpen` marker (详见第 4 帧幻灯片示范代码)。
- 其它可以 `\renewcommand` 的装饰:

- `\MirageFrametitlePrefix`
- `\MirageProofPrefix`
- `\MirageTheoremPrefix`

for prefix icons of the frame title, proof block title and theorem-like block titles. (See commented code before frame 5.)

- The Mirage theme loads `fontawesome7`, so you can use icons provided by this package.
- `\MirageGlowRadius` is a length controlling the size of the glowy circle in the footline; especially useful when creating posters with `beamerposter`.

- `\MirageFrametitlePrefix`
- `\MirageProofPrefix`
- `\MirageTheoremPrefix`

这些是 frame title、proof block title 以及 theorem 之类 block titles 的前缀装饰。(详见第 5 帧幻灯片之前的注释)

- “蜃楼”主题已加载 `fontawesome7` 宏包，可以尽情使用此宏包提供的符号。
- `\MirageGlowRadius` 是用来控制页脚的小光球半径的 length；制作海报时可以酌量加大。

5 Revision History

v1.0 (2024/04/14) Initial commit.

v1.01 (2024/09/18) Adds `beamerposter` example and some updates for some easier customisations.

v1.1 (2024/10/24) Reorganises sample .tex files and documentations; submitted to CTAN.

v1.1.1 (2025/01/19) Bug fix: added missing second argument to `\addtobeamertemplate{frametitle}`.

v1.2 (2026/08/27) Upgraded `fontawesome5` to `fontawesome7`. Added experimental theme for `ltx-talk`.