

# tutorial

A light Beamer theme for academics

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# Outline

## 1. Introduction

## 2. Ingredients

Colors

Typography

## 3. Installation

Theme and Typeface

Presentation

## 4. Limitations

## 5. Licensing

- ▶ A light modern Beamer theme with...
  - ▶ flat style based on Szeged
  - ▶ energetic text colors
  - ▶ **light** or **minimal** visual noise
- ▶ Adjusted for academics with...
  - ▶ traditional **blended blue** × white **whale** color theme
  - ▶ maximized frame content space
  - ▶ optional headline and footline information
- ▶ Influenced by METROPOLIS by Matthias Vogelgesang

# light × minimal

Figure light × minimal Style Option Gallery

a light & minimal

b light

c minimal

d default

# Colors

Blended  
Blue

RGB: 51, 51, 178

Beach  
Pink

CMYK: 00, 87, 68, 00

Rich  
Black

CMYK: 50, 50, 50, 100

Beach  
Teal

CMYK: 86, 00, 24, 29

- ▶ Regular
- ▶ Accent
- ▶ *Emphasize*
- ▶ *Italic*
- ▶ SMALLCAPS
- ▶ Bold
- ▶ *Bold Italic*
- ▶ BOLD SMALLCAPS
- ▶ Monospace
- ▶ **Monospace Bold**

## Euler's Formula

$$e^{ix} = \cos x + i \sin x$$

where  $i \equiv \sqrt{-1}$ .  $x = \pi$  gives following beautiful identity

$$e^{i\pi} + 1 = 0$$

## Theorem (Cauchy Integral)

*If  $f(z)$  is analytic in some simply connected region  $R$ , then*

$$\oint_{\gamma} f(z) dz = 0$$

*for any closed contour  $\gamma$  completely contained in  $R$ .*

## tutorial Beamer theme

frequent put **sty** files into your Beamer theme **texpath**

occasional leave them aside with your main **tex** file

## Fira Sans typeface

**xelatex** *recommend* to install Mozilla Fira Sans typeface

**pdflatex** MiKTeX might install **FiraSans**, **FiraMono** and **newtxsf** packages on the fly



Enable `light` and `minimal tutorial` by loading

```
\documentclass{beamer}  
\usetheme[light,minimal]{tutorial}
```

Note that the options can be also passed to `beamer`.

Customize colors by loading

```
\setbeamercolor*{structure}{fg=main,bg=background}  
\setbeamercolor{alerted text}{fg=alert text color}
```

**Table** Packages Loaded by `tutorial`, Current Demo and Beamer

Package		
<code>tutorial</code>	<code>tikz</code>	
<code>demo</code>	<code>ccicons</code>	<code>lstings</code>
	<code>subcaption</code>	
<code>beamer</code>	<code>amsmath</code>	<code>amssymb</code>
	<code>graphicx</code>	<code>xcolor</code>
	<code>enumerate</code>	<code>hyperref</code>
	<code>⋮</code>	

# Limitations

- ▶ headline section navigation bar *always* coexists with footline information
- ▶ math and text font theme not yet carefully adjusted
- ▶ *fixed* frame numbering style
  - ▶ frame number only for minimal
  - ▶ otherwise shown as a fraction
- ▶ theme options *cannot* `\PassOptionsToClass` or `\PassOptionsToPackage` through command line
- ▶ common Beamer **compress** option untuned

Get the source of **tutorial** and its demo from

`github.com/jeffmxu/beamer-theme-tutorial`

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