



Rensselaer

why not change the world?®

(Unofficial) RPI Beamer Presentation Template

Presentation Overview

1 Introduction

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- ① Introduction
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- ③ List/Figure/Table/Definition
 - Lists
 - Figures
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Outline

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What is this?

A template for beamer presentations. I made this template following RPI's official powerpoint template and logos [1].

Why did I do this?

I couldn't find an existing one and I didn't want to copy over citations manually.

Before We Start

- This project uses the `fontspec` package, which is not supported by the default compiler backend on Overleaf.
- You can change this by following the two steps:

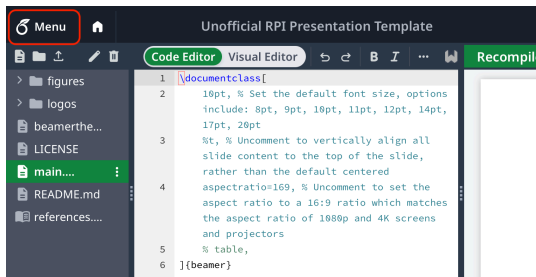


Figure: Open the menu tab

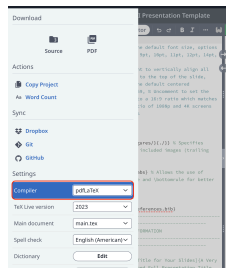


Figure: Set compiler to XeLaTeX

Style Notes

- Use of `minipage` is encouraged.
 - Why? because I designed the template with it in mind. The `columns` env probably works for the most part as well, but it might not.
- I tried to use relative values for margins and header/sizes where I could. It should scale well with different page sizes.

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Table of Contents

- You already saw the table of contents.
- By default, it is in one column. If you want to divide it to multiple columns, you can use `minipage` or `columns` [2]
- To make use of this, you need to use sections, which should be placed outside of the frame [3].
- Use `AtBeginSection` to automatically show the table of contents at the beginning of each section.

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Using lists

Simple example of using lists.

- Item 1.
- Item 2.

1. Enumerate 1
2. Enumerate 2

I think this looks pretty similar to how the powerpoint one looks.

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Using figures

Here is an example of a figure.

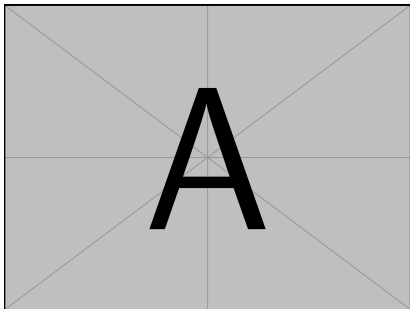


Figure: A subfigure

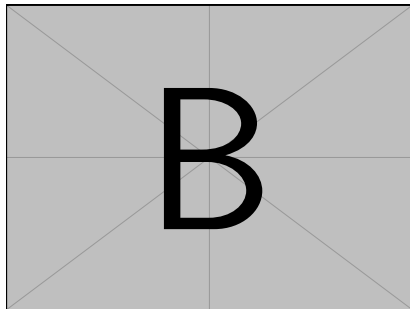


Figure: Another subfigure

Figure: Example of a figure side by side.

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Using a full screen image

Next slide shows how to use an image in full screen. I got this from [here](#)

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A Table

Col 1	Col 2	Col 3
a	b	c
d	e	f

Table: An example table

Findings

- This is indeed a table.
- Use minipage to put two things side by side, just like the images.
- You can also use columns, but it's not necessary [4].

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Textboxes

First Block

- First item of first block.
- Second item of first block.
- Notice that the next block matches the height of this one.
- I am also changing the indentation of bullets so it looks better in the boxes.

Second Block

- First item of second block.
 - first sub item of second block.

Third Block

This one doesn't have a list and doesn't match the height!

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Definitions

Definition

A definition This is a definition.

- It can be used to define something.
- It can also be used to define something else.
- If you don't like the colors, you can change `block title` and `block body` of `setbeamercolor` in the `.sty` file.

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Using Bibtex

- It should be the same as using your regular bibtex.
- To showcase, let's cite some resources [5]–[7] that helped me put this together.
- You can add `[allowframebreaks]` to the frame to automatically continue the reference list in the text page if you have too many.
- You can use `\tcite` (short for `textcite`) shorthand to use it in *text* mode, i.e. Anglim [5].
- You can use `\fcite` (short for `footcite`) to add a citation with a footnote on the bottom of the slide.
 - Note that if you are using `\columns` or `\minipage`, the footnote will by default appear in the bottom of the *environment*, not the slide.
 - You can manually escape this by using just `\cite` or `\tcite` in text and adding a `\bfcite` (blank `footcite`) outside of these environments.
 - e.g. `\bfcite{fiandrinoAnswerDesignCustom2013}`.

[6] C. Fiandrino, Answer to “Design a custom Beamer theme from scratch”, Nov. 2013

References I

- [1] RPI, *Home | Strategic Communications and External Relations*, <https://scer.rpi.edu/>.
- [2] samcarter_is_at_topanswers.xyz, *Answer to "Beamer: Vertical alignment of multi-column ToC"*, Oct. 2013.
- [3] campa, *Answer to "Atbeginsection returns missing number treated as zero"*, Sep. 2022.
- [4] M. Scharrer, *Answer to "Minipage, columns, tabular: Differences in applicability?"*, Nov. 2011.
- [5] J. Anglim, *Answer to "Image on full slide in beamer package"*, Oct. 2010.
- [6] C. Fiandrino, *Answer to "Design a custom Beamer theme from scratch"*, Nov. 2013.
- [7] J. Kormylo, *Answer to "Make tikz nodes flush with slide edges in beamer title slide"*, Oct. 2017.