



Talk Title

A second line

Speaker Name (underlined), Contributing Author1, and Contributing Author2

Brigham Young University

Simple Slide with a Block

Example Block

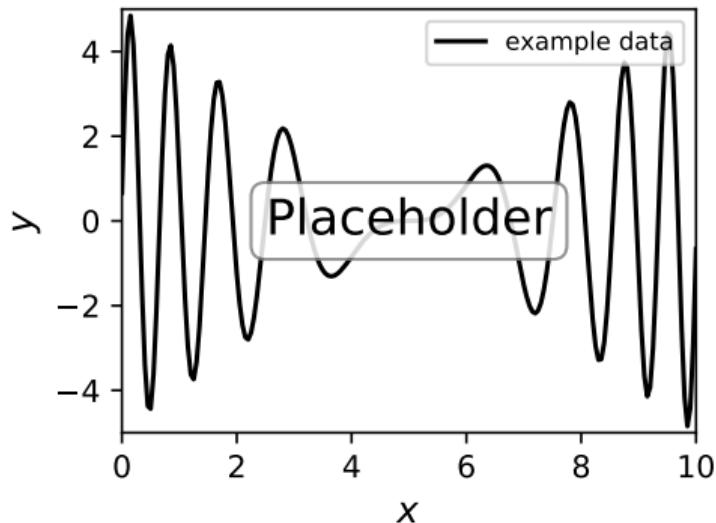
- ▶ This is like Powerpoint
- ▶ Isn't it a terrible slide?
- ▶ Here is a link to a Beamer tutorial by Overleaf. It gives some good basics.

Two Columns with Blocks

Example Block with Items

- ▶ At least this slide has an image!
- ▶ Item 2
- ▶ Item 3
- ▶ Item 4

Block Title Only



Example citation.
Sosa et al. Macromolecules. 49, 3580 (2016)
You need a par after it to get the text size and
spacing to change properly.

Successively adding material to a slide

Using Overlay Specs

This is called “Overlay” in Beamer. There are different ways to do this. I give just a few examples. See this link for more. Note that the slide number doesn’t change.

Example Block with Items

- ▶ Item 1

$$a^2 + b^2 = c^2$$

Successively adding material to a slide

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Example Block with Items

- ▶ Item 1
- ▶ Item 2

$$a^2 + b^2 = c^2$$

$$e^{-i\pi} = -1$$

Successively adding material to a slide

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Example Block with Items

- ▶ Item 1
- ▶ Item 3

$$a^2 + b^2 = c^2$$

$$\sin(x)^2 + \cos(x)^2 = 1$$

Successively adding material to a slide

Using Overlay Specs

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Example Block with Items

- ▶ Item 1
- ▶ Item 2
- ▶ Item 3
- ▶ Item 4

$$a^2 + b^2 = c^2$$

Repeating frames

Using Overlay Specs

Sometimes you want to repeat a slide. A label and the command `againframe` allows you to do this (even if the frames are not back-to-back).

$$a^2 + b^2 = c^2$$

Repeating frames

Using Overlay Specs

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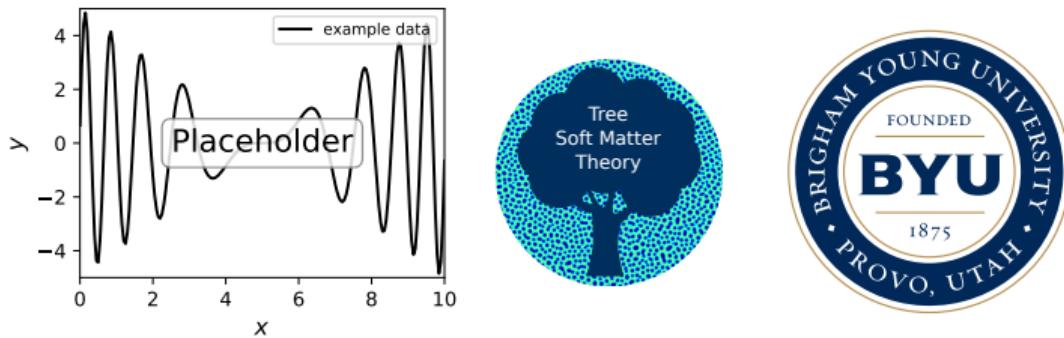
$$a^2 + b^2 = c^2$$

$$e^{-i\pi} = -1$$

Relative Placement Using Tikz

Floating Picture with Relative Locations Inside

Sometimes you want more control over placement than just columns. Tikz is good at this. This slide shows Tikz doing relative placement, but the overall TikzPicture is still placed by beamer's algorithms to fit with your other content.



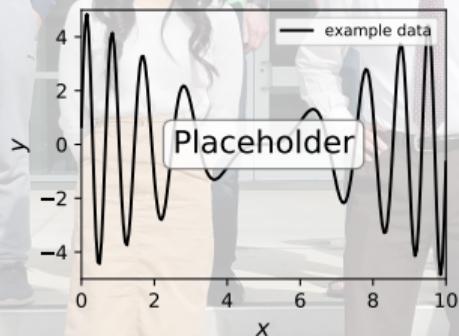
You can put text in these nodes too...

Links to more details about relative positioning

- ▶ Obligatory Stack Exchange Answer
- ▶ Tikz Documentation

Absolute Placement Using Tikz

Tikz can also be used to do absolute placement of text and images. You can even cover the whole page with an image. You can also mix this with relative positioning.



Repeating frames

Using Overlay Specs

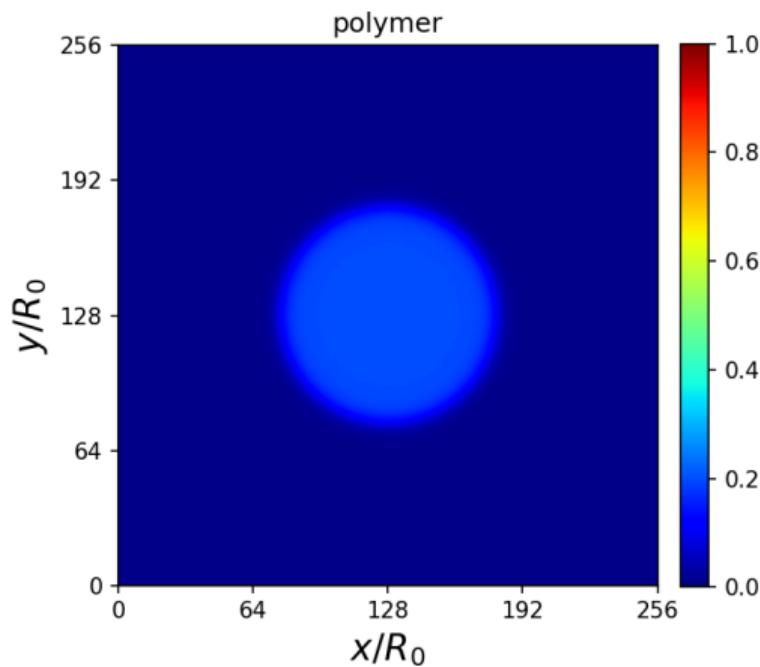
Sometimes you want to repeat a slide. A label and the command `againframe` allows you to do this (even if the frames are not back-to-back).

$$a^2 + b^2 = c^2$$

$$\sin(x)^2 + \cos(x)^2 = 1$$

Here is a plain frame with no title and no slide number.

Movies



Using the multimedia package

We can include movies in the pdf using the multimedia package! A movie needs two things stored in the `vids` directory:

- ▶ A figure for the first frame
- ▶ A movie in `.avi` or `.mp4` format

These movies are not embedded in the pdf, but the relative reference is preserved. As such, `vids` needs to be moved with the pdf (this is why I keep them in a separate directory).

Acknowledgements



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