

Presentations in \LaTeX

An introduction to \LaTeX -beamer

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Outline

1 Introduction

- Testing
- Installation
- Overview of the Beamer Class

2 Examples

- Aligning things
- A few other things
- Overlays

My New Slide

my subtitle

- First item

My New Slide

my subtitle

- First item
- Second item

Overlay example

my subtitle

- First item
- Fourth item

Overlay example

my subtitle

- First item
- Second item
- Fourth item

Overlay example

my subtitle

- First item
- Second item
- Third item
- Fourth item

Installing on Unix

Is Beamer already installed?

- Try to compile a simple presentation

Installing on Unix

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If not, install it locally

- Create directory `~/texmf/tex/latex`
- Download latest stable latex-beamer, pgf, xcolor from latex-beamer.sourceforge.net
- Untar all three into `~/texmf/tex/latex`

Installing on Mac OS X

- Ask Ben!

Installing on Windows

- Beamer packages are available for MiKTeX through its package manager.
- I have not tried this yet.

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- Easy overlays (easier than Prosper).
- Built-in themes look decent.

What Are Prime Numbers?

Slide borrowed from [1]

Definition

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Example

- 2 is prime (two divisors: 1 and 2).
- 3 is prime (two divisors: 1 and 3).
- 4 is not prime (**three** divisors: 1, 2, and 4).

There Is No Largest Prime Number

Slide borrowed from [1]

Theorem

There is no largest prime number.

Proof.

① Suppose p were the largest prime number.

④ Thus $q + 1$ is also prime and greater than p . □

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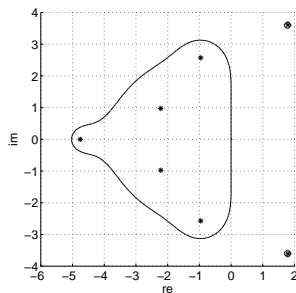
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The proof used *reductio ad absurdum*.

Two columns

Each column vertically centered



- Bullet point 1
- Bullet point 2

Another Box

Content, content, content, content,
content, content, content.

Two columns

Tops of columns vertically aligned

A box to put things in

Content, content, content,
content.

A box to put things in

Content, content, content,
content, content, content,
content, content, content,
content, content, content,
content, content, content,
content, content, content,
content, content, content,
content, content, content,
content, content, content,
content.

By default text is centered vertically.

This text is not centered vertically.

Need the whole slide and nothing but the whole slide?

Code

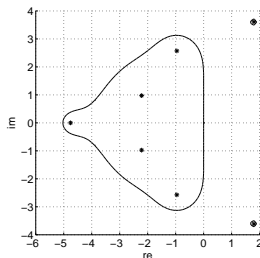
```
% verbatim environment for code or other  
% preformatted material
```

Using Overlays

- `\pause`
- `<1->` notation
- `\only`
- `\uncover`
- Examples!

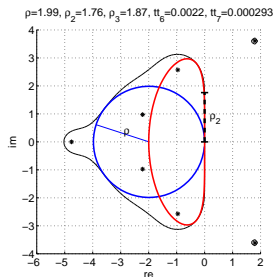
Example of Figures with Overlays

- Using `\only<1>` to draw the first two Figures



Example of Figures with Overlays

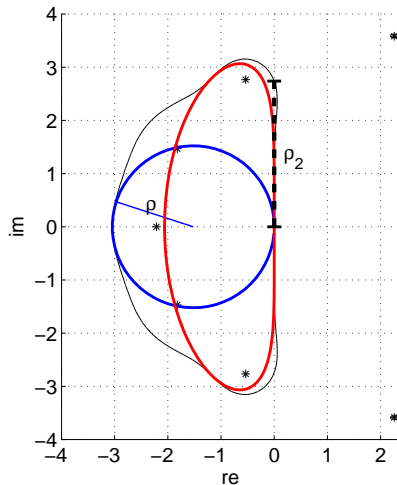
- Using `\only<1>` to draw the first two Figures
- Using `\only<2->` to draw the second two Figures



A Complicated Picture

... with clickable areas

$$\rho=1.52, \rho_2=2.74, \rho_3=1.94, tt_6=0.0014, tt_7=0.000577$$



Bibliography



[Beamer User Guide] Till Tantau

User's Guide to the Beamer Class.

$$\rho=1.52, \quad \rho_2=2.$$

