

Here You Can Type the Title of Your Presentation

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joint work with Second Author

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Outline

Introduction

Overlays

Math

Conclusions

Features of beamer

- ▶ **Complicated, elegant templates**
- ▶ Viewers can see the progress of the presentation
- ▶ Nice boxes for theorems, definitions, etc.
- ▶ With extra options and goodness comes complication

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.tex file Setup

```
\documentclass[ options ]{beamer}
\mode<presentation>
{
\usetheme[ options ]{ name }
\usecolortheme[ options ]{ name }
}

\title{Title of Presentation}
\subtitle{}
\author{Author's name}
\institute{University of Arizona}
```

.tex file Setup

```
\begin{document}
  \begin{frame}
    \titlepage
  \end{frame}

  \section*{Outline}
  \begin{frame}
    \tableofcontents
  \end{frame}

  ...
```


.tex file Setup

```
\section{Name of Section}
\subsection{...}
  \begin{frame}
    \frametitle{ slide's title }
    content of slide
  \end{frame}
\section{Another Section}
...
\end{document}
```

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- ▶ **First point**
- ▶ Second point, however...
 - ▶ If this,
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- ▶ Therefore, Third point,
- ▶ Fourth point

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- ▶ Last thing to say

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Creating overlays

```
\begin{itemize}
\item First point.
\pause
\item Second point, however...
    \begin{itemize}
    \item If this,
    \pause
    \item then That!
    \end{itemize}
\item Therefore, Third point,
\pause
\item Fourth point
\end{itemize}
...
```


Creating overlays

...

Summary

```
\begin{itemize}
  \onslide          % \onslide: on every slide
  \item The final point
  \pause
  \item Last thing to say
\end{itemize}
```

One more time

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example of what we want

- ▶ Definition

The Riemann Zeta function is defined, for all $s \in \mathbb{C}$, by

$$\zeta(s) = \sum_{n=1}^{\infty} \frac{1}{n^s} = \prod_{p \in \mathbb{P}} \frac{1}{1-p^{-s}}$$

- ▶ Riemann's Hypothesis

All non-trivial zeros of $\zeta(s)$ have real part one-half.

- ▶ Sketch of proof

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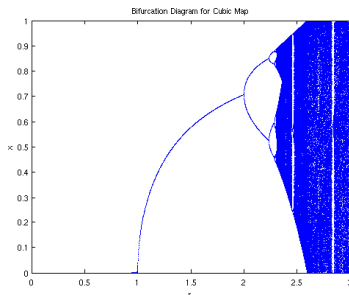
- ▶ Sketch of proof

Dividing the space with Columns

Bifurcation

Diagram for

$$x_{n+1} = rx_n(1 - x_n^2)$$



the Columns Environment

```
\begin{frame}
\begin{columns}[ options ] % opt for alignment, example: 't'
\column{width of col 1}
stuff
\column{width of col 2}
stuff
...
\end{columns}
\end{frame}
```

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- ▶ Beamer has the most functionality, and changable options
- ▶ Something for everyone: simplicity vs complexity, visually boring vs stylish
- ▶ Will require some research on documentation and patience.

For more information:

To download, see examples, etc..

`http://latex-beamer.sourceforge.net/`

For Documentation:

Search the web for *beameruserguide.pdf*