

How To Create Slides in PDFLaTeX

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Introduction

Making great looking presentations

- Using only open source tools
 - ▷ And it all works on Linux
- Good text, image, and display quality
 - ▷ Great colors, fonts, images
 - ▷ TrueType fonts a plus

Displaying and publishing

- Display ``live''
- Print onto foils or paper
- Publish on the Web

Some options

StarOffice

- Poor font support
- Cumbersome GUI
- Must have StarOffice to display presentation
 - PowerPoint support not perfect

MagicPoint

- I have used this for a long time...
- But a little too limited
- Hard to add new features

The Solution: PDFLaTeX

Version of LaTeX which produces PDF directly

- Advanced layout properties
- Great graphics and figure support
- Works with TrueType fonts

Why PDF?

- Almost ubiquitous
- Always looks the same
- Acroread **full screen mode** for display

Math Formula Display

No sweat:

$$L_x = \prod_{i=1}^n \prod_{j=1}^m \frac{\xi \beta e^{-\mu t}}{\int_0^1 f(\alpha^x, \frac{\Gamma}{2})}$$

Images

Use standard LaTeX`graphicx` package

- Import PDF, JPG, etc.
- Resizes automatically according to your display resolution

Web log from USGS Pasadena Field Office

Other Features

Hyperlinks: Within a document, or Web URLs

Can insert pause directives to wait between bullets

Special effects to display between slides

- None of these features demonstrated in this document
- See the documentation for FoilTeX and PDFSlides