Power What? Presentations using Latex

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Motivation

- (m a t h) Graduate students and professors use Latex
- Create a .pdf presentation, compatible with different operating systems

Mechanics

- write/rewrite file.tex
- latex file.tex (creates file.dvi, if everything works)
- dvips file.dvi (-o) (creates file.ps)
- ps2pdf file.ps (creates file.pdf !)

Suggestions for editing: use **Kile**, WinEdt, etc.

Overview

- Main classes for Latex presentations:
  foiltex, prosper, and beamer
- Setting up the tex files for each
- Features and layouts
- References for further learning

Foiltex Setup

```
\documentclass[20pt,landscape,footrule]{foils}
  \begin{document}
    \title{ Title of Presentation }
    \author{ Author's name }
    \date{ date of Presentation }
    \maketitle
    \MyLogo{ text for footer or header }
    \foilhead{ title of slide }
     contents of slide
    \foilhead{ title of slide }
     contents of slide
...
\end{document}
```

Slide Example

```
\foilhead{Definition from (college) Algebra}
\begin{displaymath}
  Crazy math goes here!
\end{displaymath}
```

Definition from (college) Algebra

Definition: The p^{th} supported deRham cohomology group of M

$$H_c^p(M) = \frac{\text{Ker}[d : \mathcal{A}_c^p(M) \longrightarrow \mathcal{A}_c^{p+1}(M)]}{\text{Im}[d : \mathcal{A}_c^{p-1}(M) \longrightarrow \mathcal{A}_c^p(M)]}$$

Advantages and Disadvantages

- Easiest, Fastest to use
- Simpleness may be limiting
- Boring to look at ?

For more Information

- Documentation for Foiltex
  `http://www.tex.ac.uk/tex-archive/nonfree/macros/latex/contrib/foiltex/foiltex.pdf`

- Get what you can from an internet search