A short introduction to a *The Not So Short Introduction to LaTeX 2ε*

October 27, 2009

Getting Started

- Start a text editor (emacs, vi, kate, cat)

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- ▶ Start a text editor (emacs, vi, kate, cat)
- ▶ Type the following

```
\documentclass{article}
\begin{document}
Small is beautiful.
\end{document}
```

Compiling your document

- On the command line,

```
latex foo.tex
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- View the output, or email it to your non TEX-nical friends

```
xpdf foo.pdf
```

A more interesting example

```
\documentclass[11pt]{article}
\author{Dr.\ Evil}
\title{My Demands}
\begin{document}
\maketitle
\tableofcontents
\section{Sharks with Lasers on their heads}
Can I say frikking in class?
\section{A \emph{Meeelion} dollars}
\ldots{} And so on.
\end{document}
```

Cross References

- Add to first section

  `\label{sec:shark}`

Cross References

- Add to first section

  `\label{sec:shark}`

- Add to second section

  `See also my demands in Section~\ref{sec:shark}`

  `See page 39 in lshort`

A little math

Add e.g. to second section

```
My exact amount of money demanded can be computed as
\begin{equation}
  \label{eq:demand}
  \lim_{n \to \infty}
  \sum_{k=1}^n \frac{10^6}{k^2}
  = \frac{\pi^2}{6}
\end{equation}
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```

My exact amount of money demanded can be computed as

$$\lim_{n\to\infty} \sum_{k=1}^n \frac{10^6}{k^2} \tag{1}$$

Tools for LaTeX

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Math in a figure