LaTeX

lay-teck

Some Guy

Linux@APP

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What is LaTeX?

LaTeX is a typesetting system, desgned to seperate content and formating.

Types of documents.

article:	For articles in scientific journals, presentations, short reports, program documentation, invitations, ...
report:	For longer reports containing several chapters, small books, thesis.
book:	For real books.
memoir:	It is based on the book class, but it contains lots of packages not imported by default.
letter:	For writing letters.
beamer:	For writing presentations (like this beamer).

starting a Document

LaTeX or \LaTeX

```
% Verbatem enviroment that would
% start a paper or something
\begin{verbatim}
\documentclass{article}
\title{A paper on how to
write papers.}
\date{2018-02-22}
\author{Andrew Pobrica}
\begin{document}
\maketitle
\pagenumbering{gobble}
\newpage
\tableofcontents
\newpage
\pagenumbering{arabic}
\section{Section}
Hello World!
\subsection{Subsection}
Stucturing a document is easy!
\subsubsection{Subsubsection}
More text.
\paragraph{Paragraph}
Some more text.
\subparagraph{Subparagraph}
    Even more text.
\section{Another section}
\end{document}
\end{verbatim}
```

```
#Leibniz formula

pi = 0
x = 0
iterations = 10000
try:
        for x in range(iterations):
                pi = pi + 2 / ((4*x+1) * (4*x+3))
        print(pi*4)

except KeyboardInterrupt:
        print(x)
        print(pi*4)
```

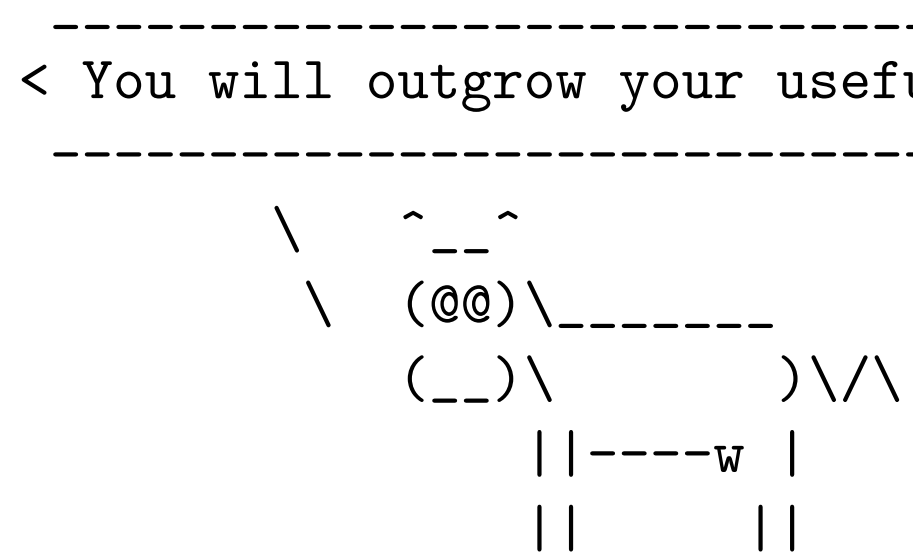
$$\sin A \cos B = \frac{1}{2}\left[\sin(A+B) + \sin(A+B)\right]$$
$$\sin A \sin B = \frac{1}{2}\left[\sin(A+B) - \cos(A+B)\right]$$
$$\cos A \cos B = \frac{1}{2}\left[\cos(A+B) + \cos(A+B)\right]$$

$$f'(x) = \lim_{h \to 0} \frac{f(x+h) - f(x)}{h}$$

```
f' (x)= \lim_{h \to 0} \frac{f(x + h) - f(x)}{h}
```

tlmgr update –list
tlmgr update –self
tlmgr update –all
tlmgr uninstall

Fig. 1: I got this off of reddit.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Questions?

or not

- this is a Beamer

- this is a Beamer
- Beamers are PDF's

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- Each of these things is its own page in the PDF