

Learning Some LaTeX

University of Central Florida

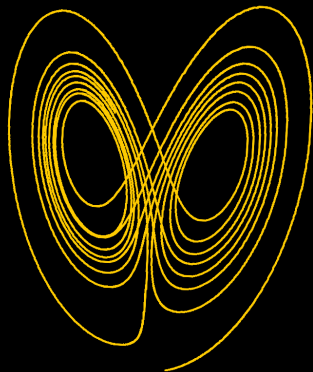
September 14th, 2018

Dues, T-shirts, and JMM

Dues are \$20. They are not mandatory.

If you decide to pay dues, you get a t-shirt, are eligible to apply for JMM travel assistance, and are eligible to vote in officer elections in April.

T-Shirt Design



CREATE AN EFFECT



COLLEGIATE MATHEMATICAL SOCIETY AT UCF

Joint Meeting in Mathematics (JMM) Information

Grad School PSA (last chance)

Applications due in December, but it is usually a good idea to have them done before the deadlines. A grad school application normally consists of the following,

- Personal Statement
- Transcripts from past institutions
- GRE scores
 - GRE
 - **GRE Math Subject test** (for those of you pursuing Mathematics Phd)

What is LaTeX?

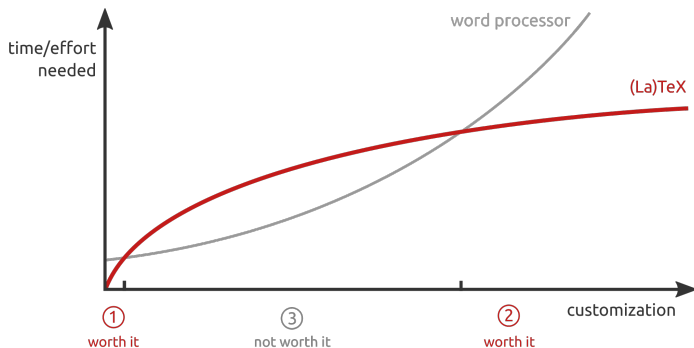
\LaTeX is a document preparation system created in 1983.

" \LaTeX is widely used in academia for the communication and publication of scientific documents in many fields, including mathematics, statistics, computer science, engineering, chemistry, physics, economics, linguistics, quantitative psychology, philosophy, and political science." - Wikipedia

lay-tech or lah-tech but definitely not latex

Why would you use LaTeX?

- You want to focus on content only,
- You want to produce a heavily customized document, or
- You need to type up mathematics symbols in a report or assignment.



Some Examples

<https://github.com/waldmannly/Latex-Templates>

Online editors: Overleaf/ShareTeX
Local editors: TeX Maker and MikTeX

Some Basics

```
\documentclass{article}  
\title{Sample Document}  
\author{Jane Doe}  
\date{September 1994}  
\begin{document}  
  \maketitle  
  Hello world!
```

%example of a comment

```
\vfill
```

The mass–energy equivalence is described by the famous equation

```
$$E=mc^2$$
```

\noindent discovered in 1905 by Albert Einstein.

In natural units ($c = 1$), the formula expresses the identity

```
\begin{equation}  
E=m  
\end{equation}  
\end{document}
```

Go Forth and Practice

You should either try to convert your resume or type up a homework assignment. The officers (, Google,) and I will be available until the end of the meeting for question about syntax or the weird \LaTeX quarks (try to put a space in an equation and see what happens).

Also check out the templates hosted on Overleaf.