

Learning Some LaTeX

University of Central Florida

September 14th, 2018

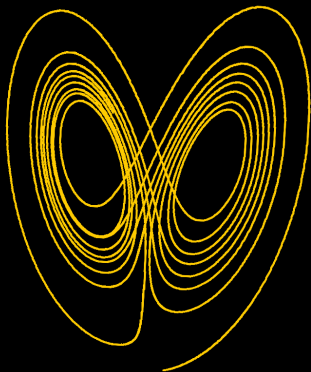
Sign in: <https://bit.ly/2x9VbM1>

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

■ What is JMM?

- It is the largest mathematics conference in the world!
- The benefits of attending JMM include networking, watching talks, graduate school fair, student poster session, and a fun break from classes that will exposure you to "real" mathematics.

■ Application

- 3 questions, an acknowledgment form, and some basic information that will allow me to start on the SGA funding bill
- Due on **Saturday, September 29th, at 12PM (noon).**

■ Cost is \$275

- This will cover your flight, hotel, and registration
- If you're accepted this will be due on **Friday, October 12th at 3PM**

Who, as of right now, is interested in applying and going?

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
- Letters of Recommendation
- Transcripts from Past Institutions
- GRE scores
 - GRE
 - **GRE Math Subject test** (for those of you pursuing Mathematics Phd)

What is LaTeX?

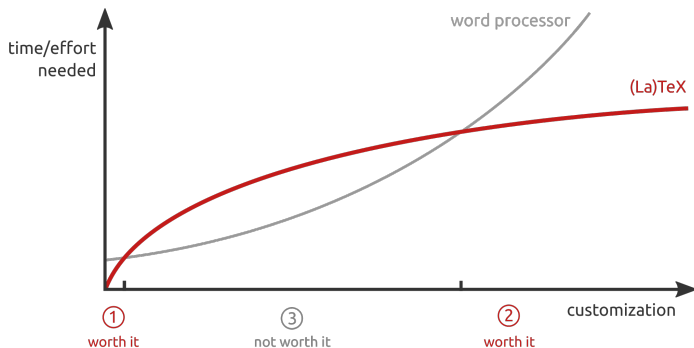
\LaTeX is a document preparation system created in 1983.

" \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

It is technically pronounced lah-tech (I usually say lay-tech) but definitely do not say 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 editor and package manager: 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 questions 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.