

Introduction to Typesetting in L^AT_EX

Mark Ng

National University of Singapore

latexify@nusmathsoc.org

January 25, 2017

[Important] Announcements

Workshop material (including these slides) available at:

`https://github.com/mollymr305/latex-workshop-2017`

If you haven't done this yet, please:

- ▶ Download the T_EX package; the 'language'.
 - ▶ Windows: `http://miktex.org/download`
 - ▶ Mac OS X:
`http://tug.org/mactex/mactex-download.html`
- ▶ Download Texmaker; the 'editor'.
 - ▶ Go to `http://www.xmlmath.net/texmaker/download.html`

Today's Agenda

Introduction

Brief Introduction to \LaTeX ?
The \LaTeX ify Team.

The Workshop

Prerequisites
Content

Final Remarks

What is \LaTeX ?

\LaTeX

What is L^AT_EX?

<https://en.wikipedia.org/wiki/LaTeX>

- ▶ “... a document preparation system”
- ▶ “A TeX distribution such as TeX Live or MikTeX is used to produce an output file (such as PDF or DVI) suitable for printing or digital distribution.”
- ▶ “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, quantitative psychology, philosophy, and political science.”

The \LaTeX ify Team.

- ▶ We are a subcommittee of the NUS Mathematics Society.
- ▶ Provide student solutions for past year papers under the Mathematics Department.

Prerequisites

- ▶ No \LaTeX or programming background necessary.
- ▶ You will need your own laptop with the downloaded software etc.

Prerequisites

Last resort for those who are unable to download the \TeX distribution or Texmaker in time ...

<https://www.overleaf.com>

Content

Teach **basic** typesetting in \LaTeX .

- ▶ Text manipulation, mathematical notation, equations ...
- ▶ Basically ‘how to create a proper document’.
- ▶ If time permits:
 - ▶ Inserting tables, pictures, code snippets.
 - ▶ More advanced bibliography management (BibTeX).

Content

How it works:

- ▶ We will do a ‘live’ demonstration, and create a \LaTeX document from scratch.
- ▶ Try to follow (i.e. mimick everything on your own laptop).
- ▶ Raise your hand if you need any assistance; our \LaTeX ify Team members will try and help you out.

Content

Just a reminder before we start this workshop proper.

Workshop material available at:

<https://github.com/mollymr305/latex-workshop-2017>

Final Remarks

- ▶ \LaTeX Resources:
 - ▶ <https://www.sharelatex.com/learn/>
 - ▶ <http://detexify.kirelabs.org/classify.html>
 - ▶ <http://tex.stackexchange.com/>
 - ▶ <https://www.google.com>
- ▶ Give us your feedback at:
 - ▶ <https://goo.gl/forms/Jd30lPFkc1mbviYm1>

Thank You

latexify@nusmathsoc.org