

# Introduction to Latex

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# Why use LaTeX?

- ▶ Designed by academics and easily accommodates academic use.
- ▶ Mathematical symbols and equations are easily integrated.
- ▶ Even complex structures such as footnotes, references, table of contents, and bibliographies can be generated easily.
- ▶ Forces author to focus on logical instead of esthetic structure of a document.
- ▶ Creates more beautiful documents.
- ▶ Portable, compatible, flexible, versatile, and cheap (or free).

# Installing LaTeX

## ▶ In Windows

### ▶ MiKTeX

- ▶ MiKTeX is a typesetting system for the Windows.
- ▶ Download from [www.miktex.org](http://www.miktex.org) for free
- ▶ It is generally recommended to install MiKTeX first, then Texmaker.

### ▶ Texmaker

- ▶ It is a text editor with Unicode and PDF viewer.
- ▶ Texmaker creates the source file (.tex and others).
- ▶ Download from <https://texmaker.en.lo4d.com>.

# Basic Document Structure

- ▶ The format of a document is pretty simple.
  - ▶ In the preamble
    - ▶ Document class
    - ▶ Packages
  - ▶ In the front matter
    - ▶ Title/author
  - ▶ In the body
    - ▶ Contents
  - ▶ In the back matter
    - ▶ bibliography

**Thank You**

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