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 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