Lib4RI

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Getting started with $\LaTeX$

What it is

What LaTeX is

LaTeX is a system for high quality typesetting of documents.

LaTeX (first rel. 1984 by L. Lamport) is a set of macros for TeX.

TeX (first rel. 1978 by D. Knuth) is a low-level language created to typeset documents.

The purpose of LaTeX is to simplify TeX typesetting.

What LaTeX is NOT

LaTeX is NOT a word processor!
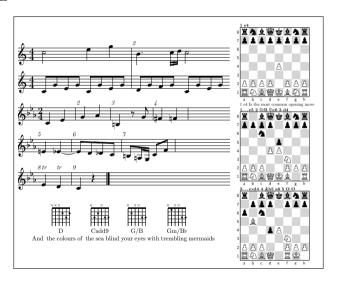
Why use LaTeX

- Professional-looking documents. Professionally crafted additional layout available
- Advanced typesetting of mathematics.
- Consistency throughout the document and easy generation of complex structures such as footnotes, references, table of contents, and bibliographies
- Plenty of free add-on packages
- LaTeX encourages authors to write well-structured texts
- It's free software (both as in free beer and free speech)[1]

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[1] https://www.gnu.org/philosophy/free-sw.en.html

What you can use LaTeX for

What you will take home

- Overview of LATEX workflow
- LATEX basic features including
    - Document's info (title, author)
    - Document sectioning
    - Inclusion of figures and simple tables.
    - Inclusion of simple math formulae
    - Bibliography management
- Know where/how to find further documentation about LATEX.