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Getting started with \LaTeX

What it is



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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 L^AT_EX is NOT

L^AT_EX is NOT a word processor!

Why use L^AT_EX

- 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
- L^AT_EX encourages authors to write well-structured texts
- It's free software (both as in free beer and free speech)¹

¹<https://www.gnu.org/philosophy/free-sw.en.html>

What you can use L^AT_EX for

1 2 3 4 5 6 7 8 tr 9

D Cadd9 G/B Gm/Bb

And the colours of the sea blind your eyes with trembling mermaids

1 e4

a b c d e f g h

1 e4 Is the most common opening move

1...e5 2 ♘f3 ♙c6 3 d4

a b c d e f g h

3...exd4 4 ♗b5 a6 5 O-O

a b c d e f g h

What you will take home

- Overview of L^AT_EX workflow
- L^AT_EX 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 L^AT_EX.