

How to Write your Next Thesis in L^AT_EX

Gerardo Marx Chávez-Campos

Instituto Tecnológico de Morelia: Industrial Applications Society

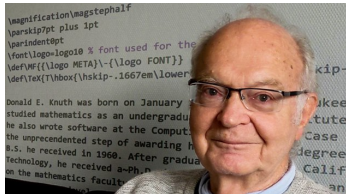
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What I going to learn?

- How L^AT_EX works
- How to use Overleaf, L^AT_EX on a server
- Create simple and complex documents(Thesis)
- How to use different document classes
- Inserting Equations, Tables, and Figures
- How to create **wonderful** plots
- Create bibliography files and sync them with bibT_EX

What is \LaTeX ?



Donald Knuth

- **What is \LaTeX ?** \LaTeX is a document preparation system focused on **quality and structure**
- The system allows to prepare **scientific and technical** documents, reports, **thesis**, presentations, and more.
- **It is not** a text processor like MS-Word.
- **Why I should use \LaTeX ?** Repeatability, portable, high quality, focus on context not on format.

How can I try \LaTeX ?

- **GUI:** \TeX Studio(Windows, MacOS, Linux); \TeX Maker(All)
- **Distributions:** Mik \TeX , Mac \TeX , \TeX Live
- **Online tools:** Share- \LaTeX and Overleaf

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“Los geht’s” - Overleaf



The first example of L^AT_EX

The first example will test that system is working properly and get comfortable with Overleaf.

Example 1: Hello World

```
1 \documentclass{standalone}
2 \begin{document}
3   Hello \LaTeX{}.
4 \end{document}
```