

L^AT_EX basics

A brief introduction to L^AT_EX

Tiep Vu
August 2016

What's L^AT_EX ?

What's L^AT_EX

- a high-quality typesetting system
- includes features designed for the production of technical and scientific documentation

What can L^AT_EX do?

- Regular documents (report, CV, Resume,...)
- Scientific documents (books, papers,...)
- Making slides, posters
- Complicated figures (Technical diagrams, Geometry, graphs in papers,...).
 - [TeXample](#)
 - [PGFPlots Gallery](#)

Why's L^AT_EX ?

- L^AT_EX typesets math beautifully and (more) easily (than Word).
- L^AT_EX is completely machine independent. (Word is not).
- L^AT_EX is free, (Word is not)
- L^AT_EX makes cross-references and references easier (than Word).
- L^AT_EX handles sectioning and related aspects seamlessly, (Word does not).
- L^AT_EX is backward and forward compatible (Word is not).

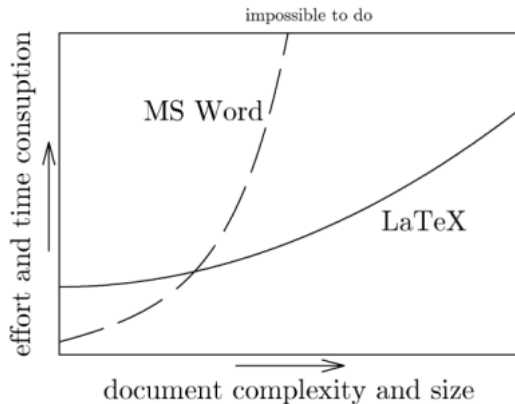
Source: [What are the benefits of using LaTeX over MS Word?](#)

What is bad about Latex?

- More moving parts: compiler, editor, pdf viewer.
- Difficulty knowing/remembering markup commands.
- Previewing delay.
- Possibility of syntax errors.

Source: [What the heck is Latex?](#)

L^AT_EX vs Word - a small comparison



Source: [Why are many documents and books written using LaTeX?](#).

How to pronounce L^AT_EX ?

- Two ways: LAY-tek or LAH-tek.
- Should not pronounce L^AT_EX like the word *latex*.
- When writing, remember capitalize *LaTeX* or use `\LaTeX` in L^AT_EX documents.
- For me, when I see *latex*, I understand it as L^AT_EX .

Source: [Beginning L^AT_EX](#)

L^AT_EX Sources for learning L^AT_EX

- Wikibooks L^AT_EX .
- ShareLaTeX learn.
- TeX Stack Exchange.
- Google.
- ...

Thanks for watching