

Introduction to \LaTeX

Tejas Sanap

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A few words about myself

- ▶ I mainly work in IDAM.
- ▶ I work at Wipro.
- ▶ I am an organizer at (and, member of) PLUG.
- ▶ I do a lot of open-source stuff.

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MS WORD!

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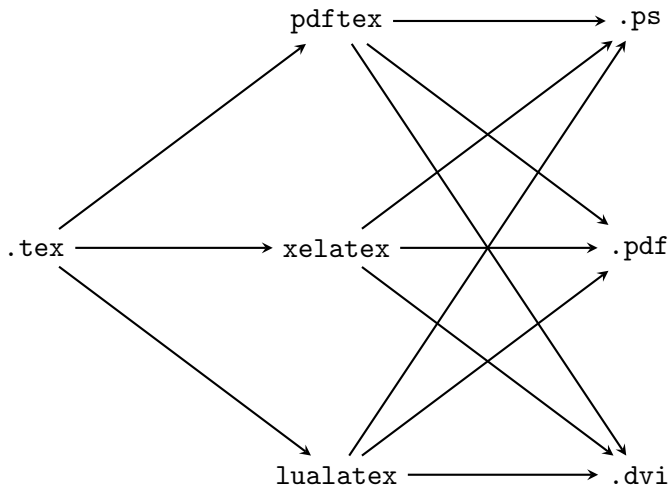
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What is \LaTeX ?

- ▶ A type-setting system.
- ▶ An improvement over \TeX .
- ▶ Not a WYSIWYG editor.
- ▶ Uses simple plaintext.

\LaTeX provides the user with a set of pre-defined templates.

How do I use L^AT_EX?

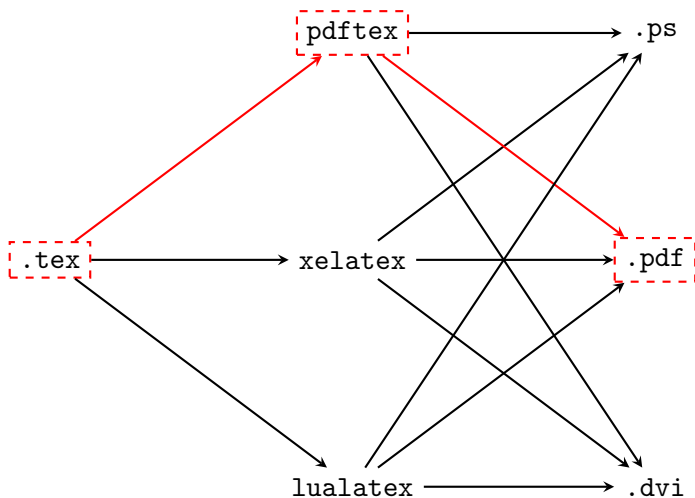


Source Code

L^AT_EX engine

Final Output

How do I use \LaTeX ?



Source Code

\LaTeX engine

Final Output

How do I use \LaTeX ?

There are multiple \TeX engines:

- ▶ **Knuth's \TeX :**

This is original \TeX engine which serves as the lowest layer of \LaTeX 's software architecture.

- ▶ **\pdfTeX :**

This engine adds a bunch of primitives related to the PDF and DVI extension.

- ▶ **\xetex :**

This engine provides better font support.

- ▶ **\luatex :**

Originally, meant to replace \pdfTeX , but, now moving in a very different direction. This engine also better font support (like, \xelatex) through Lua code.

What can I do with \LaTeX ?