

How to L^AT_EX

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Abstract

All the information one needs to use [Latex](#) instead of [Markdown](#).

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1 Getting Started

```
sudo apt install texlive-full
```

Listing 1: Latex installation.

```
\documentclass{article}
\begin{document}
Hello \LaTeX!
\end{document}
```

Listing 2: First latex document.

- For details see the source of this file.

```
pdflatex first.tex
# If you use minted package, add -shell-escape flag.
pdflatex -shell-escape first.tex
```

Listing 3: Generating PDF from first.tex.

Mathematics

Inline \sum_i^n math example.

Multiline math example:

$$\begin{aligned} 8x - 3y &= 5 \\ 2x + 5y &= 7 \end{aligned} \tag{1}$$

Number for each equation:

$$\mathbf{x}(t) = \mathbf{A}(t)\mathbf{x}(t) + \mathbf{B}(t)\mathbf{u}(t) \tag{2}$$

$$\mathbf{y}(t) = \mathbf{C}(t)\mathbf{x}(t) + \mathbf{D}(t)\mathbf{u}(t) \tag{3}$$

Non-ASCII Characters

Est-il possible d'utiliser des caractères français?

A co takhle psaní v češtině?

Tables

X	O	X
O	X	O
X	X	O

Code

```

1     from datetime import datetime
2
3     def show_time(formats: list[str]) -> None:
4         """Prints current time in all given formats."""
5         for format_ in formats:
6             assert(isinstance(format_, str)) # Just for sure.
7             print(datetime.now().strftime(format_))

```

Listing 4: Python code example.

2 References

1. https://www.overleaf.com/learn/latex/Learn_LaTeX_in_30_minutes