

The Three-Way Slide System

Using L^AT_EX to Teach More Effectively

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- 1 Introduction
- 2 Advantages of LaTeX for Teaching
 - Multiple versions of lecture notes
 - Other advantages of LaTeX
- 3 How to use LaTeX with AI?

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But why?

- ④ What are the advantages of LaTeX for teaching?
 - ▶ Easy to generate multiple versions of the same lecture notes.

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NOTE.tex



NOTE-Handout-blanks.PDF

NOTE-Handout-Full.PDF

NOTE-Lecturing.PDF

I'm _____,

an Assistant Professor of _____ at Central Michigan University.

I studied _____ when I was in college.

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- Separation of content and formatting:

²I defined these commands at the beginning of the document. Then I can use them throughout the document by simply typing the command name. For example, “ylb” for yellow background command. ▶ ◀ ≡ ▶ ≡ ≡ ↶ 🔍 ↷

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- There are many other advantages of LaTeX. LaTeX is more like a programming language.

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<https://jaeyoonyu.github.io/> is my personal website.

Item	Value
Apple	3
Banana	5
Orange	2
Total	—

Item	Value
Apple	3
Banana	5
Orange	2
Total	<u>10</u>





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How to use LaTeX with AI?

Setting up the environment :

- Install LaTeX distribution (e.g., TeX Live)

Actions to take if you're interested in LaTeX:

³Cursor AI and Antigravity are forked versions of VS Code. They share similar features. So, you can use either one of them.

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Setting up the environment :

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- For example, check out the following resources:
 - ▶ <https://paulwintz.com/latex-in-vscode/>
 - ▶ <https://groundwater.usu.edu/blog/2025/Use-Latex-in-VScode/>

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Thank you for your attention!