

Introduction to L^AT_EX (for Intern3, LU Lab.)

Ye Kyaw Thu

July 20, 2025

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1 Introduction

This document introduces the core components of L^AT_EX using practical examples. Use it as a reference when writing scientific papers. myMedicon is bla bla [2].

2 Text Formatting

Bold, *Italic*, Underline, Monospace
Use `\textbf{}`, `\textit{}`, etc.

3 Lists

3.1 Itemized List

- Apples
- Bananas

3.2 Enumerated List

1. First item
2. Second item

4 Math Examples

4.1 Inline Math

The quadratic formula is $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$.

4.2 Displayed Math

$$\int_0^1 x^2 dx = \frac{1}{3}$$

4.3 Equation Environment

$$e^{i\pi} + 1 = 0 \tag{1}$$

4.4 Cases

$$f(x) = \begin{cases} x^2 & \text{if } x > 0 \\ 0 & \text{otherwise} \end{cases}$$

Table 1: Sample Table

Item	Quantity	Price
Apple	2	\$1.00
Banana	5	\$0.50

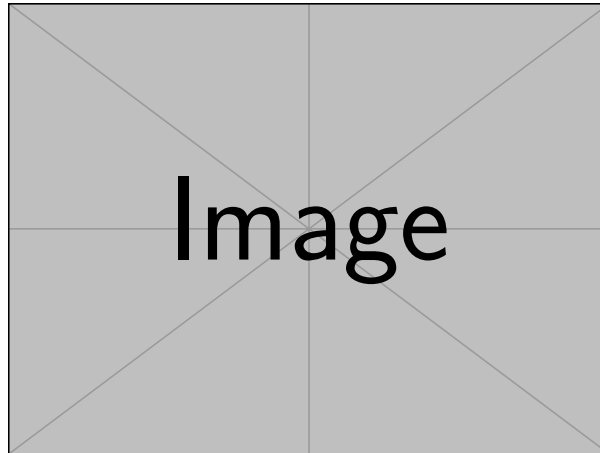


Figure 1: Example Image

5 Tables

6 Figures

7 Cross References

See Eulers identity in Equation 1.

See Table 1 and Figure 1.

8 Code Listing

```
def greet():  
    print("Hello , world!")  
  
greet()
```

Listing 1: Python Example

9 Bibliography

Here is a citation [1].

References

- [1] Leslie Lamport. *LaTeX: A Document Preparation System*. Addison-Wesley, 1994.
- [2] Hay Man Htun et al. “myMediCon: End-to-End Burmese Automatic Speech Recognition for Medical Conversations”. In: *Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING 2024)*. Ed. by Nicoletta Calzolari et al. Torino, Italia: ELRA and ICCL, May 2024, pp. 12032–12039. URL: <https://aclanthology.org/2024.lrec-main.1051/>.

10 Custom Command

We defined `\R` as the set of real numbers: \mathbb{R} .