

My LaTeX Book

Your Name

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Introduction

This is the introduction to my book.

$$\begin{bmatrix} \cos\theta & -\sin\theta \\ \sin\theta & \cos\theta \end{bmatrix} \begin{bmatrix} 3 \\ 2 \end{bmatrix} = \begin{bmatrix} 6 \\ 2 \end{bmatrix}$$

Chapter 1

First Chapter

1.1 Section One

This is the first chapter of the book.

1.1.1 Subsection One

This is a subsection.

Subsubsection One

This is a subsubsection.

Paragraph Title This is a paragraph.

Subparagraph Title This is a subparagraph.

1.2 Section Two

This is the second section of the first chapter.

Chapter 2

Second Chapter

This is the second chapter of the book.

2.1 Another Section

This is a section in the second chapter.

$$E = mc^2$$

(2.1)

- Item 1
- Item 2
- Item 3

1. First item
2. Second item
3. Third item

```
print("Hello ,_World!")
hello_world()

https://www.example.com
```

Cell 1	Cell 2
Cell 3	Cell 4

Table 2.1: Example Table

2.2 rotate

$$\begin{bmatrix} \cos\theta & -\sin\theta \\ \sin\theta & \cos\theta \end{bmatrix} \begin{bmatrix} 3 \\ 2 \end{bmatrix} = \begin{bmatrix} 6 \\ 2 \end{bmatrix}$$

$$\begin{bmatrix} 2 & 0 \\ 1 & 3 \end{bmatrix} \begin{bmatrix} 3 \\ 2 \end{bmatrix} = \begin{bmatrix} 6 \\ 9 \end{bmatrix}$$

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