

Examples in Latex

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1 Section

I am a section.

1.1 subsection

I am a subsection.

paragraph I am a paragraph.

subparagraph I am a subparagraph.

2 Math

2.1 Inline Math

Inline math $f(x) = x^2$ example.

2.2 Math Environments

Equation and Matrices

$$\begin{aligned} f(x) &= x^2 \\ \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix} \end{aligned} \tag{1}$$

Align

$$\begin{aligned} f(x) &= x^2 \\ g(x) &= \frac{1}{x} \\ F(x) &= \int_b^a 3 \left(\frac{1}{\sqrt{x}} \right) \end{aligned}$$

3 Figures

h!: here

H: need package float.

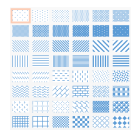


Figure 1: Caption for the figure

4 Tables

4.1 A Table

Table 1: Caption for the table.

1	2	3
a	b	c

4.2 Using package booktabs

Table 2: Caption for the table.

some	actual	content
first	content	row
second	content	row

4.3 CSV Table

Setup siunitx at the beginning.

Table 3: Autogenerated table from .csv file.

<i>Value1</i>	<i>Value2</i>	<i>Value3</i>
A	V	V
1	2	3
11.43	2342.23	125.56

5 Citation

This book is cited, see reference [1].

References

- [1] J. Doe, *The Book without Title*. Dummy Publisher, 2100.

List of Figures

1	Caption for the figure	1
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List of Tables

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