Examples in Latex

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Contents

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

$$f(x) = x^2$$

$$\begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix} \tag{1}$$

Align

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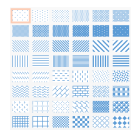\end{aligned}
$$

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.

| $Value1$ | $Value2$ | $Value3$ |
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

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