

My first document

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1 Text Section

Hello World!

1.1 Subsection

Structuring a document is easy!

1.1.1 Subsubsection

More text.

Paragraph some more text.

Subparagraph Even more text.

2 Math Section

inline math sample : $f(x) = x^3 + 1$

and this is math equation environment sample:

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

and align environment sample:

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

sample matix :

$$\begin{bmatrix} 1 & 0 & 2 & 3 \\ 0 & 1 & 4 & 1 \end{bmatrix} \begin{pmatrix} 1 \\ \sqrt{x} \end{pmatrix}$$

3 Image Section



Figure 1: cute cat

Figure 1 shows a boat.

4 Multi Image Section



(a) cat1.



(b) cat2.

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