My first document

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Contents

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:

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

sample matix :

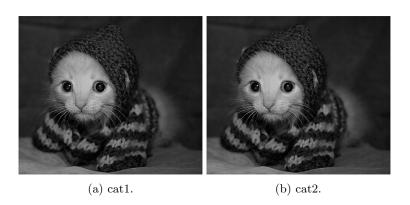$$\begin{bmatrix} 1 & 0 & 2 & 3 \\ 0 & 1 & 4 & 1 \end{bmatrix} \left(\frac{1}{\sqrt{x}} \right)$$

3 Image Section

Figure 1: cute cat

Figure 1 shows a boat.

4 Multi Image Section

(a) cat1.

(b) cat2.

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