

# My LaTeX Document

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November 23, 2025

## 1 Introduction

This is a sample LaTeX document. You can edit this text in the editor.

## 2 Mathematical Equations

Here's a mathematical equation:

$$E = mc^2 \tag{1}$$

And an inline equation:  $\alpha + \beta = \gamma$   
 $P = NP$

### 2.1 More Examples

- First item
- Second item
- Third item

Let  $\epsilon > 0$ . There exists  $q \in \mathbb{Q}$  such that  $0 < q < \epsilon$ . Then  $q = \frac{u}{i}$  for some  $u, i \in \mathbb{N}$ . Then  $0 < \frac{u}{i} < \epsilon$ , so  $i\epsilon > u$ .