

# My LaTeX Document

Your Name

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## 1 Introduction

Welcome to your LaTeX document! You can write mathematical equations like:

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

## 2 Features

- Real-time compilation
- Professional PDF output
- Full LaTeX support
- Advanced mathematical typesetting

## 3 Mathematics

Here's a more complex equation:

$$\frac{\partial f}{\partial x} = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h} \tag{2}$$

$$\int_a^b f(x)dx = F(b) - F(a) \tag{3}$$