LaTeXTutorial

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November 1, 2023

Hello everyone, my name is Zingya C Raman.
This is my first LaTeXdocument.

1 Introduction

This is a new paragraph

This will be a newline.

2 Maths

F = m a

$F = ma$

$y = x_1^2 + x_2^2 + 3$

$$y = x_1^2 + x^2 + 3$$

$\sqrt{x^2 + y^2}$

$\sqrt[3]{x}$

$\sqrt{1 + \sqrt{x^2}}$

$$x = a + b \tag{1}$$

Greek Symbols: $\alpha, \Delta, \delta, \beta, \pi$

Other: ∇

Fraction: $\frac{1}{2}$

Partial Derivative: $\frac{\partial x}{\partial y}$

Integration: $\int x^2 dx$
Integration with limits: $\int_a^b x^2 dx$
$a_1, a_2, a_3, \ldots, a_100$
a^{x^2+1}

2.1 Functions

Trigonometric symbols: $\sin x + \cos^2 x$
Logarithmic: $\log x, \log_2 x, \log x, \ln y$

$$\left(\frac{a}{b} + 2\right)^2$$

Others

$$\sum x^2$$

3 Tables

Here, I am creating a table as Table 1

No	a	b c
1	1.2	4.5
2	1.3	2.2

Table 1: my first table

4 Itemization

- This is item 1
- This is item 2

5 Enumeration

1. This is the first item
2. This is the second item

6 Images

Figure 1: A Picture

7 References

Here is the reference [**?**]