

A very simple introduction to LaTeX

Nav

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1 Introduction

2 Lists

2.1 Bullet List

- Object 1
- Object 2
- Object 3

2.2 Number List

1. Object 1
2. Object 2
3. Object 3

3 Math

3.1 Inline

$a + b$ a+b

3.2 Formulas

$$A = bh$$

3.3 Subscript/Superset

$$a_2 \ a^2$$

3.4 Fraction

$$\frac{5}{8}$$

3.5 Square Root

$$\sqrt{5}$$

3.6 Greeks

$$\delta \ \omega$$

3.7 Practice Questions

$$1. \ y = \sqrt[z]{x^2 + w_2^2}$$

$$2. \ \sigma = \frac{\Omega^z + y^2}{\sqrt{x}}$$

$$3. \ \sqrt[n+1]{a}$$

$$4. \ \tau_{xy}''$$

3.8 Integrals

$$\int_0^1 x \, dx$$

Large expressions with parenthesis and larger denotation

$$\left(\frac{\int_0^1 x \, dx}{\Delta x} \right)$$

3.9 Practice Examples

1. $1 + \left(\frac{1}{1-x^2}\right)^3$
2. $\pi(n) = \sum_{k=2}^n \left\lceil \frac{\phi(k)}{k-1} \right\rceil$

4 Figures

4.1 Bullet List

References

[Navraj]

[Dr. Zheng]

[Joe]