Lecture 2

Tareq

July 13, 2019

Contents

1 Previous Class

usepackage command : `\usepackage{verbatim}.\`.

2 Figure

Figure 1: Logo of BUET
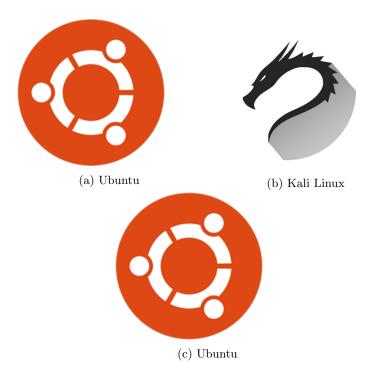
(a) Ubuntu   (b) Kali Linux

(c) Ubuntu

Figure 2: Linux distributions

3 Bibliography

This book [1] is amazing. This book [2] is good too

4 Mathematical Equation

Hello world as u can see this is an inline equation.$test - a + a = 2a$ Lets keep this as it is and leave it be.
Hello world as u can see this is a specialized equation.

$$test - a + a = 2a$$

Lets keep this as it is and leave it be.

4.1 Subscript and SuperScript

$$a^2 \quad a_2 2 \quad a_{in} \quad a_2$$

4.2 Methods for writing an Equation

NOTE
1.wrap equation with $$ for specialized Equation

2.wrap equation with $ for inline Equation

3. Wrap with `\begin{equation}` ... `\end{equation}` for generating an automated id number for the equation. We can use \label and \ref to later cross ref this equation number.

4.3   Math Functions

$$\int_b^a f(x)dx$$

$$\frac{\tau}{\pi}$$

$$\begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} \tag{1}$$

$$\begin{matrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{matrix} \tag{2}$$

References

[1] Jia Deng, Wei Dong, Richard Socher, Li-Jia Li, Kai Li, and Li Fei-Fei. Imagenet: A large-scale hierarchical image database. In *2009 IEEE conference on computer vision and pattern recognition*, pages 248–255. Ieee, 2009.

[2] Donald Ervin Knuth, Tracy Larrabee, Paul M Roberts, and Paul M Roberts. *Mathematical writing*, volume 14. Mathematical Association of America Washington, DC, 1989.