Mathematical Type setting

In line equations can be inserted with \$2+2=4\$ \$100s(1theta)\$

A single line equation can be inserted with

\begin { equation } \times z \frac{d}{epsilon} \{dk\}. \times \frac{d\}{dk} \times equation \}

Ifrac { 3 { } creates a fraction.

numerator denominator

If our equation runs over several lines we can use

\begin { mult line } V_{\rm G} \\ = 6 \end { mult line }

V_{\text{lpm 63}}
creates a \tanat \tilde inside \tanat \text{3} \till be in roman subscript \text{script}

 $\label{eq:sim} \begin{array}{lll} \mbox{\ensuremath{\backslash}} & \mbox{\ensuremath{\backslash

Superscripts can be created using for example \$ 5^2 \$ this will create 5^2 . To have a longer chain in the superscript we can we \$ 5^4 {101}\$ which will give 5^{101} .

We can nest all of them repeatedly, but we should be coreful with the brackets.

For example

\ begin { equation}

2 ~ { \frac { V_ { n ~ 33} } { 6^ { j } } \pi }

I end { equation }

which creates 2 6 TT

Useful Commands

to break a line

11 or Inewline

To start a new page \newpage

Quotation marks can be added like the Jollowing

later know your types of dash.

- son-in-law hyphen
-- 12--19 en-dash
-- Jorn of punctuation em-dash
-- 2\$
-- 2

11

To create a bilde we \~ {} Ellipse) ... \ldots

International language Support is in setra package)

(use package [language] {babel}

this will chanse the automatic text string)

Emphasis:

\under line { this is underlined } \emph { text } \b\$ { bold bext }

```
Figures
```

```
\use pachage { graphicx} \( \text{in the preamble} \)
\include graphics [ hey = value, ... ] { file }

For keys we can we height width angle (counterclochwire rotalion) scale

For example
\include graphics [width = 0.8 \text{itext} width] { file. pd f }
\underline \text{caption } \left\{ \text{...} \right\}
```