Latex Notes

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SOMETIMES I LIKE TO CREATE a thought or two in order to test out the formatting system of my new latex template I downloaded.

Some Notes and Sheit

vertical paragraph breaks

```
\vspace, \bigbreak, \medbreak, \smallbreak
```

definitions

```
\renewcommand[nargs][argdefault]{body (#1, #2, ...)}
\newcommand[nargs][argdefault]{body (#1, #2, ...)}
\newenvironment{env}[nargs][argdefault]{begdef}{enddef}
\renewenvironment{env}[nargs][argdefault]{begdef}{enddef}
```

theorems and definitions

make definitions or theorems with this. theorems are defined in the preamble.

```
  \newtheorem{name}[numberedlike]{title}
\newtheorem{name}{title}[numberedwithin]
```

```
  \theoremstyle{definition, plain, remark}
\newtheorem{name}[numberedlike]{title} Usage:
```

```
  \begin{name} stuff \end{name}
```

counters

part, section, subsection, subsubsection, paragraph, subparagraph, page, equation, figure, table, footnote, etc...

matrices

```
\begin{bmatrix} [], \begin{pmatrix} (), \begin{Bmatrix} {}
```

equation

Use only for single, nonwrapped lines.

$$2 + 2 = 4 \tag{1}$$

displaymath

use equation instead