Latex Notes

Jin

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Contents

This is document.

1 Section 1

This is section 1.

1.1 Subsection 1.1

This is subsection 1.1.

{ } ~ \

LaTeX

Ă Ā Ã Ⓐ

1.1.1 Subsubsection 1.1.1

This is subsubsection 1.1.1.

This is emphesis.

underline

waveline

~~strike-out~~

2 Section 2

Paragraph

This is paragraph.

> 引文两端
> 都缩进。
>
> 　引文两端缩进，首
> 行增加缩进。
>
> 引文两端缩进，第二行
> 起增加缩进。

`command` 行间命令

```
printf("Hello   , world!");

printf("Hello␣␣␣,␣world!");
```

This is the center of the page.

正文[1]

反向边注　　正常边注

Subparagraph　This is subparagraph.

- C++
- Java
- HTML

a. C++
b. Java
c. HTML

一个标签

C++ 编程语言

Java 编程语言

HTML 标记语言

[1] 脚注

010 6278 5001 010 6278 5001

仪仗队

仪 仗 队

锦瑟无端五十弦，一弦一柱思华年。
庄生晓梦迷蝴蝶，望帝春心托杜鹃。

沧海月明珠有泪，蓝田日暖玉生烟。
此情可待成追忆，只是当时已惘然。

第2页2节

$$E = mc^2 \tag{1}$$

As derived in Equation 1

Einstein's $E = mc^2$

$$E = mc^2$$

$$\boxed{E = mc^2}$$

$$E = mc^2 \tag{2}$$

$$x_{ij}^2 \quad \sqrt{x} \quad \sqrt[3]{x}$$

$\frac{1}{2}\frac{1}{2}$

$$\frac{1}{2}\frac{1}{2}$$

$$\pm \times \div \cdot \cap \cup \geq \leq \neq \approx \equiv$$

$$\sum_{i=1}^{n} i \quad \prod_{i=1}^{n} \quad \lim_{x\to 0} x^2 \quad \int_a^b x^2 dx$$
$$\sum_{i=1}^{n} i \quad \prod_{i=1}^{n} \quad \lim_{x\to 0} x^2 \quad \int_a^b x^2 dx$$

$$\sum_{i=1}^{n} i \quad \prod_{i=1}^{n} \quad \lim_{x\to 0} x^2 \quad \int_a^b x^2 dx$$

$$\sum_{i=1}^{n} i \quad \prod_{i=1}^{n} \quad \lim_{x\to 0} x^2 \quad 10\int_a^b x^2 dx$$

$$\int\int \quad \int\int\int \quad \int\int\int\int \quad \int\cdots\int$$
$$\iint \quad \iiint \quad \iiiint \quad \int\cdots\int$$

$$\xleftarrow{x+y+z} \quad \xrightarrow[x<y]{a*b*c}$$

$$\bar{x} \quad \hat{x} \quad \vec{x}\overline{xx}\vec{x} \quad \underline{xxx} \quad \overbrace{xxx} \quad \underbrace{xxx} \quad \overrightarrow{xx\vec{x}}$$

$$\left(\left(\left(\left((x)\right)\right)\right)\right) \quad \left[\left[\left[\left[[x]\right]\right]\right]\right] \quad \left\{\left\{\left\{\left\{\{x\}\right\}\right\}\right\}\right\}$$
$$\left\langle\left\langle\left\langle\left\langle\langle x\rangle\right\rangle\right\rangle\right\rangle\right\rangle \quad \left|\left|\left|\left||x|\right|\right|\right|\right| \quad \left\|\left\|\left\|\left\|\|x\|\right\|\right\|\right\|\right\|$$

$$x_1, x_2, \ldots, x_n \quad 1, 2, \cdots, n \quad \vdots \quad \ddots$$

a a a a a aa

$$\begin{pmatrix} a & b \\ c & d \end{pmatrix} \quad 2\begin{bmatrix} a & b \\ c & d \end{bmatrix} \quad \begin{Bmatrix} a & b \\ c & d \end{Bmatrix} \quad 4\begin{vmatrix} a & b \\ c & d \end{vmatrix} \quad \begin{Vmatrix} a & b \\ c & d \end{Vmatrix}$$

Marry has a little matrix $\left(\begin{smallmatrix} a & b \\ c & d \end{smallmatrix}\right)$.

$$x = a + b + c+$$
$$d + e + f + g \quad (3)$$

$$\begin{aligned} x =& a + b + c+ \\ & d + e + f + g \end{aligned}$$

$$a = b + c + d \tag{4}$$

$$x = y + z \tag{5}$$

$$a = b + c + d \tag{6}$$

$$x = y + z \tag{7}$$

$$y = \begin{cases} -x, & x \leq 0 \\ x, & x > 0 \end{cases}$$