

# Latex Notes

Jin

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	This is document.	

## 1 Section 1

This is section 1.

### 1.1 Subsection 1.1

This is subsection 1.1.

# {} \

L<sup>A</sup>T<sub>E</sub>X

Ä Å Ã ④

#### 1.1.1 Subsubsection 1.1.1

*This is subsubsection 1.1.1.*

*This is emphasis.*

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\u0000\u0000\u0000,\u0000world!");
```

This is the center of the page.

正文<sup>1</sup>

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

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<sup>1</sup>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

$E = mc^2$  (1)

As derived in Equation 1

Einstein’s  $E = mc^2$

$E = mc^2$   
 $E = mc^2$   
 $E = mc^2$  (2)

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

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

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

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

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

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

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

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

$$\begin{array}{ccccccc} \int \int & \int \int \int & \int \int \int \int & \int \cdots \int \\ \int \int & \int \int \int & \int \int \int \int & \int \cdots \int \end{array}$$

$$\overleftarrow{\frac{x+y+z}{x < y}} \overrightarrow{\frac{a*b*c}{x < y}}$$

$$\bar{x} \quad \hat{x} \quad \overrightarrow{xxxx} \quad \underline{xxx} \quad \overbrace{xxx} \quad \underbrace{xxx} \quad \overrightarrow{xx\dot{x}}$$

$$\left(\left(\left(\left(x\right)\right)\right)\right)\left[\left[\left[\left[x\right]\right]\right]\left\{\left\{\left\{\left\{x\right\}\right\}\right\}\right\}$$

$$\left\langle\left\langle\left\langle\left\langle x\right\rangle\right\rangle\right\rangle\right\rangle\left|||x|\right||\left||\left||\left||\left||x\right|\right|\right|\right|\right|$$

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

$$\mathbf{a} \; \mathbf{a} \; \mathbf{a} \; \mathbf{a} \; \mathbf{a} \qquad \mathbf{a} \mathbf{a}$$

$$\begin{pmatrix} a & b \\ c & d \end{pmatrix} \; 2 \begin{bmatrix} a & b \\ c & d \end{bmatrix} \; \left\{ \begin{array}{cc} a & b \\ c & d \end{array} \right\} \; 4 \begin{vmatrix} a & b \\ c & d \end{vmatrix} \; \left\| \begin{array}{cc} a & b \\ c & d \end{array} \right\|$$

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

$$x=a+b+c+$$

$$d+e+f+g\quad (3)$$

$$x = a + b + c +$$

$$d + e + f + g$$

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

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

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

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

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