

# 第四讲：L<sup>A</sup>T<sub>E</sub>X 排版简要介绍

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## 1 段落

Several spaces equal one. Front spaces are ignored. 中文结尾不会添加空格。

空行可以换段落。

或者使用 `\par` 也可以。

This is a paragraph, and I want to break it.

This is the next line, but it is not indented.

This is a new paragraph. This is the next page.

---

\*me@tony crane.cc

<sup>†</sup>也是我

% & # { } ~ ^ \  
'sing quote' "double quote"  
difficult difficult

## 1.1 字体字号

**bold** *italic* typewriter sans serif SMALL CAPS *slanted*  
tiny scriptsize footnotesize small normalsize large Large LARGE huge  
Huge

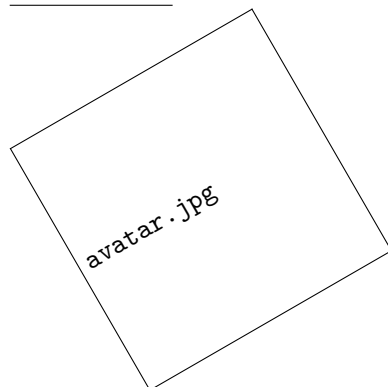
This is a paragraph with 2.0 linespread.

This is the next line and      space and      more and      lol  
Next paragraph.

and next line.

## 2 文档元素

some text<sup>1</sup>  
some text<sup>2</sup>



- First item
- + Second item

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<sup>1</sup>footnote

<sup>2</sup>table footnote

表 1: TablesGenerator

a	b			
	c			

- i. First subitem
- ii. Second subitem

**First** First item

**Second** Second item

some text

some text

some text

some text

```
#include <stdio.h>
int main() {
    printf("Hello, world!\n");
    return 0;
}

\LaTeX and printf("Hello,\_world!\n");
a:b | c
d:e | f

请见第 3页中的表 1。本文第一个章节编号为 1。i
```

## A 数学公式

行内公式:  $a^2 + b^2 = c^2$ 、`text`、`nospace`。

行间公式：

$$\int_{-\infty}^{+\infty} e^{-x^2} dx = \sqrt{\pi} \quad (1)$$

$$a^2 + b^2 = c^2$$

$$a^2 + b^2 = c^2$$

$$a^2 + b^2 = c^2$$

$$ab, ab, ab, ab, ab, ab, ab, \sum_{i=1}^{10} \dots, \int_a^b, \frac{1}{2}$$

$$\sum_{i=1}^{10} \dots \int_a^b \frac{1}{2}$$

$$\sum_{i=1}^{10} \dots \int_a^b \frac{1}{2}, \frac{1}{2}, \frac{1}{2}$$

$$(abc), \left(\frac{1}{2}\right), \left(\frac{1}{2}\right), \left(\frac{1}{2}\right)$$

$$\begin{array}{ll} a = b + c & g = h + i \\ = d + e + f & = j \end{array} \quad (2)$$

$$\begin{aligned} a &= b + c & g &= h + i \\ &= d + e + f & &= j \end{aligned} \tag{3}$$

$$\mathbf{A} = \begin{vmatrix} a_{11} & a_{12} & \cdots & a_{1n} \\ a_{21} & a_{22} & \cdots & a_{2n} \\ \vdots & \vdots & \ddots & \vdots \\ a_{n1} & a_{n2} & \cdots & a_{nn} \end{vmatrix}$$