一起学习 LaTeX

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目录

1 Title **2**
1.1 subTitle 2
1.1.1 subsubtitle 2
1.1.2 转义 2
1.2 列表 2
1.2.1 item 2
1.2.2 enumerate 2
1.2.3 description 2
1.3 code 2
1.3.1 short code 2
1.3.2 long code 2
1.3.3 data structure 2
1.4 注脚 2

2 数学公式 **2**
2.1 数学结构 3
2.1.1 行内公式 3
2.1.2 显示公式 3
2.2 图表 3
2.2.1 another table 3

Hello world!

Hello again

1 Title

1.1 subTitle

1.1.1 subsubtitle

today, we are going to learn about paper typesetting

1.1.2 转义

1.2 列表

1.2.1 item

- itemize
- enumerate
- description

1.2.2 enumerate

1. itemize
2. enumerate
3. description

1.2.3 description

itemize dot

enumerate num

description des

1.3 code

1.3.1 short code

```
#include <stdio.h>
```

1.3.2 long code

```
#include <stdio.h>
int main(void){
    printf("hello world\n");
}
```

```
#include <stdio.h>
int main(void){
    printf("hello world\
}
```

1.3.3 data structure

MERGE-SORT(A, p, r)

1 **if** $p < r$
2 **then** $q \leftarrow \lfloor (p + r)/2 \rfloor$
3 MERGE-SORT(A, p, q)
4 MERGE-SORT$(A, p + 1, q)$
5 MERGE-SORT(A, p, q, r)

1.4 注脚

欧几里德[1]

2 数学公式

数学公式必须在数学模式下输入

[1] 数学家

2.1 数学结构

2.1.1 行内公式

爱因斯坦提出了质能方程: $E = MC^2$

2.1.2 显示公式

$$x_{1,2} = \frac{-b \pm \sqrt[2]{b^2 - 4ac}}{2a}$$

$$F_1 = F_2 = \frac{Gm_1m_2}{r^2} \tag{1}$$

$$\int_a^b f(x)\mathrm{d}x = F(x)|_a^b = F(b) - F(a) \tag{2}$$

$$\begin{bmatrix} 1 & 0 & \cdots & 9 \\ 0 & 1 & \cdots & 0 \\ \vdots & \vdots & \ddots & \vdots \\ 0 & 0 & \cdots & 1 \end{bmatrix}$$

$-1.23 \times 10^{45}\mathrm{m/s}$ $2\,999\,999\,999\,\mathrm{m/s}$

-2345
123

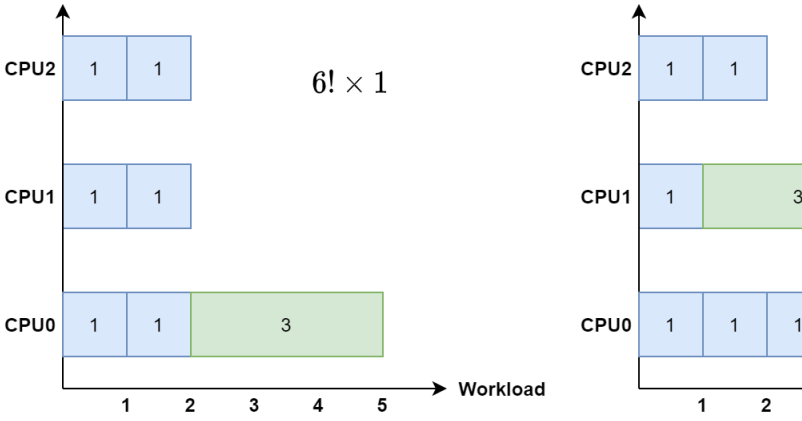
2.2 图表

left	center	right
文本左对齐	居中对齐	右对齐

表 1: 标题

Do	You	Love	Me
Yesterday	Yes	Yes	Yes
Today	of Course	of Course	of Course
Tomorrow	Yes	Yes	Yes

图 1: 标题



2.2.1 another table

another table described below, another table described below, another table described below, another table described below, another table described below, another table described below, another table described below, another table described below, another table described below

Do	You	Love	Me
Yesterday	Yes	Yes	Yes
Today	of Course	of Course	of Course
Tomorrow	Yes	Yes	Yes

参考文献

[1] L. Chua, T. Roska, T. Kozek, and Á Zarándy. The cnn paradigm - a short tutorial. 1993.

[2] R. Girshick. Fast r-cnn. In *International Conference on Computer Vision*, 2015.