

# Hello LaTeX

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## 1 Introduction

This is the Introduction

## 2 Methods

### 2.1 Stage 1

The first part of the methods

### 2.2 Stage 2

The second part of the methods.

## 3 Results

Here are my results. 你好, L<sup>A</sup>T<sub>E</sub>X

## 字体测试 (Font Test)

中文正文：这是苹方字体。English text: This is Times New Roman. This is Helvetica Neue (sans-serif). This is Menlo (monospace).

## 希腊字母

$\alpha$  (alpha):  $\alpha$ (*beta*) :  $\beta$ (*delta*) :  $\delta$ (*pi*) :  $\pi$

## 二元运算符

$\pm$  (plus-minus):  $\pm$   
 $\times$  (times):  $\times$   
 $\div$  (division):  $\div$   
 $\cdot$  (dot operator):  
(*logical AND*) :  $\wedge$

## 二元关系符

$<$  (less than):  $<$   
 $>$  (greater than):  $>$   
 $\leq$  (less than or equal to):  $\leq$   
 $\geq$  (*greater than or equal to*) :  $\geq$   
 $\approx$  (*approximately equal to*) :  $\approx$

## 求和、积分等“大”运算符

$\infty$  (infinity):  $\infty$   
 $\sqrt{\phantom{x}}$  (*squareroot*) :  $\sqrt{\phantom{x}}$   
 $\sqrt[3]{\phantom{x}}$  (*cuberoot*) :  $\sqrt[3]{\phantom{x}}$   
(*overline*) :  $\overline{A}$

## 公式测试 (Math Test)

行内公式:  $a^2 + b^2 = c^2$

次方根:  $\sqrt[3]{9}$

行间公式:

$$\int_0^{\pi} \sin(x) dx = 2$$

矩阵示例:

$$A = \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{bmatrix}$$

# 图形测试 (Graphics Test)

插入示意图：

状态 \ 时间	过去	现在	将来	过去将来
一般	一般过去时 did	一般现在时 do/does	一般将来时 will+do am/is/are going to + do	一般过去将来时 would+do was/were going to+do
进行 be + doing	过去进行时 was/were + doing	现在进行时 am/is/are+doing	将来进行时 will be +doing	×
完成 have + done	过去完成时 had + done	现在完成时 have/has + done	将来完成时 will have + done	×
完成进行 have + been + doing	过去完成进行时 had been + doing	现在完成进行时 have/has been +doing	将来完成进行时 will have been + doing	×