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# 华中科技大学

# 学士学位论文

An Example of Using hustthesis L<sup>A</sup>T<sub>E</sub>X  
Template

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A Thesis Submitted in Partial Fulfillment of the Requirements  
for the Degree of Bachelor

## **An Example of Using hustthesis L<sup>A</sup>T<sub>E</sub>X Template**

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## 摘 要

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关键词：  $\text{\LaTeX}$ , Huazhong Univ. of Sci. & Tech., Thesis, Template

## Abstract

This is a  $\LaTeX$  template example file. This template is used in written thesis for Huazhong Univ. of Sci. & Tech.

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**Key words:**  $\LaTeX$ , Huazhong Univ. of Sci. & Tech., Thesis, Template

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## Chapter 1 Simple Test

### 1.1 Level 1

#### 1.1.1 Level 2

##### 1.1.1.1 Level 3

Content <sup>2</sup>

### 1.2 Font

Normal **Bold** *Italic* Sans

The quick brown fox jumps over the lazy dog.

### 1.3 Equation

Single equation, see Equation 1.1.

$$c^2 = a^2 + b^2 \tag{1.1}$$

Multi-equations, see Equation 1.2a and Equation 1.2b.

$$F = ma \tag{1.2a}$$

$$E = mc^2 \tag{1.2b}$$

### 1.4 List Environment

1. Level 1

2. Level 1

2.1 Level 2

2.2 Level 2

---

<sup>2</sup>A footnote.

*a)* Level 3

*b)* Level 3

**Discription** Content

## Chapter 2 Other Test

### 2.1 Code Highlight

---

```
1 import os
2
3 def main():
4     '''
5     doc here
6     '''
7     print 'hello, world' # Abc
```

---

### 2.2 Theorem

**Definition 2.1.** This is a definition.

**Proposition 2.1.** *This is a proposition.*

**Axiom 2.1.** *This is an axiom.*

**Lemma 2.1.** *This is a lemma.*

**Theorem 2.1.** *This is a theorem.*

**Proof.** This is a proof.

□

## 2.3 Algorithm

---

**Algorithm 2.1:** How to write algorithms

---

**Data:** this text  
**Result:** how to write algorithm with L<sup>A</sup>T<sub>E</sub>X2e

```
1 initialization;  
2 while not at end of this document do  
3   read current;  
4   if understand then  
5     go to next section;  
6     current section becomes this one;  
7   else  
8     go back to the beginning of current section;  
9   end  
10 end
```

---

## 2.4 Table

See Table 2.1.

Table 2.1 A table

a	b
c	d

## 2.5 Figure

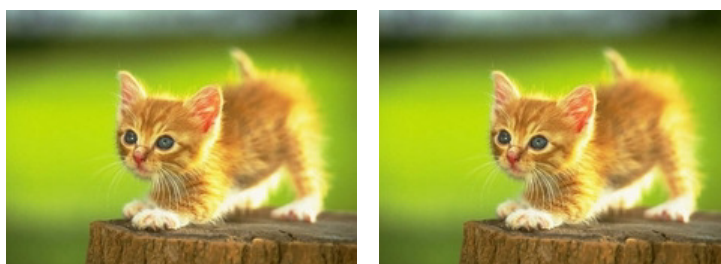
See Figure 2-1. Figure supports format in eps, png, pdf and so on. Multi-figures, see Figure 2-2. Reference separately: Figure 2-2a, Figure 2-2b.

## 2.6 Bibliography

Cite one bib<sup>[1]</sup>, cite two<sup>[1,2]</sup>.



Figure 2-1 A figure



(a) Figure A

(b) Figure B

Figure 2-2 Multi-figures

## 2.7 \autoref Test

**Equation** Equation 1.1

**Footnote** Footnote 2

**Item** Item 1,Item 2.1,Item 2.2a

**Figure** Figure 2-1

**Table** Table 2.1

**Appendix** Appendix B

**Chapter** Chapter 1

**Section** Section 1.1,Subsection 1.1.1,Sub-subsection 1.1.1.1

**Algorithm** Algorithm 2.1,Line 1

**Theorem** Definition 2.1,Proposition 2.1,Axiom 2.1,Lemma 2.1,Theorem 2.1,Proof 1

## **Acknowledge**

Acknowledge

## Bibliography

- [1] Donald E. Knuth. The  $\text{T}_{\text{E}}\text{X}$ book. MA: Addison - Wesley Pub. Co., 1984.
- [2]  $\text{T}_{\text{E}}\text{X}$ Guru.  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X} 2_{\epsilon}$  Manual. 1999.

## Appendix A Publication

[1] Thesis 1

[2] Thesis 2



## **Appendix B This is an appendix**

Content.