

HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF ELECTRONICS AND INFORMATION ENGINEERING  
INTERNET TECHNOLOGY AND ENGINEERING R&D CENTER

TECHNICAL REPORT

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# **An Example of Using itecreport-en $\LaTeX$ Template**

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# Abstract

This is a  $\text{\LaTeX}$  template example file. This template is used in written technical report for Internet Technology and Engineering R&D Center of Huazhong Univ. of Sci. & Tech.

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**Key words:**  $\text{\LaTeX}$ , Huazhong Univ. of Sci. & Tech., 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>1</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

a) Level 3

b) Level 3

**Discription** Content

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<sup>1</sup>A footnote.

## 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

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**Algorithm 1:** How to write algorithms

---

**Data:** this text

**Result:** how to write algorithm with L<sup>A</sup>T<sub>E</sub>X2<sub>ε</sub>

```
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

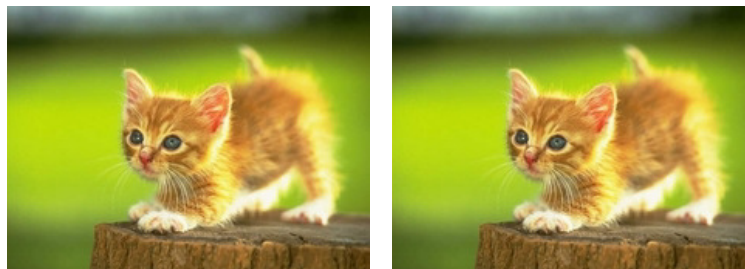
a	b
c	d

## 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.



Figure 2-1 A figure



(a) Figure A

(b) Figure B

Figure 2-2 Multi-figures

## 2.6 Bibliography

Cite one bib[1], cite two[1, 2].



## 2.7 \autoref Test

**Equation** Equation 1.1

**Footnote** Footnote 1

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

**Figure** Table 2.1

**Table** Figure 2-1

**Appendix** Appendix B

**Chapter** Chapter 1

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

**Algorithm** Algorithm 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 T<sub>E</sub>Xbook*. MA: Addison–Wesley Pub. Co., 1984.
- [2] T<sub>E</sub>XGuru, *L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub> Manual*, 1999.

## **Appendix A   Publication**

[1] Thesis 1

[2] Thesis 2

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

Content.