

No. 12345

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

TECHNICAL REPORT

An Example of Using itecreport-en \LaTeX Template

Author : Xu Cheng

Supervisor : Ass. Prof. Xiaojun Hei

June 1, 2013

Abstract

This is a \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.

This template is published under LPPL v1.3 License.

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

Contents

Abstract	I
List of Figures	III
List of Tables	IV
1 Simple Test	1
1.1 Level 1	1
1.1.1 Level 2	1
1.2 Font	1
1.3 Equation	1
1.4 List Environment	1
2 Other Test	2
2.1 Code Highlight	2
2.2 Theorem	2
2.3 Algorithm	2
2.4 Table	3
2.5 Figure	3
2.6 Bibliography	3
2.7 \autoref Test	4
Acknowledge	5
Bibliography	6
Appendix A Publication	7
Appendix B This is an appendix	8

List of Figures

Figure 2-1	A figure	3
Figure 2-2	Multi-figures	3

List of Tables

Table 2.1	A table	3
-----------	-------------------	---

Chapter 1 Simple Test

1.1 Level 1

1.1.1 Level 2

1.1.1.1 Level 3

Content ¹

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

¹A 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

Algorithm 1: How to write algorithms

Data: this text

Result: how to write algorithm with L^AT_EX2_ε

```
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

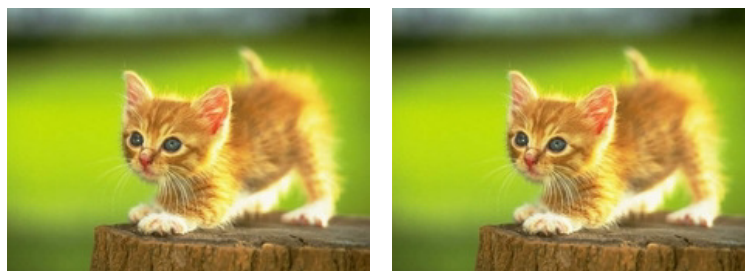
a	b
c	d

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_EXbook*. MA: Addison–Wesley Pub. Co., 1984.
- [2] T_EXGuru, *L^AT_EX 2_ε Manual*, 1999.

Appendix A Publication

[1] Thesis 1

[2] Thesis 2

Appendix B This is an appendix

Content.