



上海交通大学硕士学位论文

上海交通大学学位论文  
L<sup>A</sup>T<sub>E</sub>X 模板示例文档

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March 29<sup>th</sup>, 2023



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## 摘 要

学位论文是本科生从事科研工作的成果的主要表现，集中表明了作者在研究工作中获得的新的发明、理论或见解，也是科研领域中的重要文献资料和社会的宝贵财富。

为了提高本科生学位论文的质量，做到学位论文在内容和格式上的规范化与统一化，特制作本模板。

**关键词：**学位论文，论文格式，规范化，模板





## ABSTRACT

As a primary means of demonstrating research findings for undergraduate students, dissertation is a systematic and standardized record of the new inventions, theories or insights obtained by the author in the research work. It can not only function as an important reference when students pursue further studies, but also contribute to scientific research and social development.

This template is therefore made to improve the quality of undergraduates' dissertation and to further standardize it both in content and in format.

**Key words:** dissertation, dissertation format, standardization, template



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## Chapter 1 Introduction

### 1.1 Foreword

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### 1.2 The main content of this paper

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### 1.3 The significance of this article

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## 1.4 Summary

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## Chapter 2 Guide to Formatting Body Text

### 2.1 Basic text format requirements

The content of the thesis should generally consist of ten main parts<sup>[1]</sup>, in order: 1. cover 2. Chinese abstract 3. English abstract 4. table of contents 5. symbol description 6. thesis body 7. references 8. appendices 9. acknowledgements 10. published academic papers during degree study<sup>1 11 21 32 50</sup>

### 2.2 Word count requirements

#### 2.2.1 Undergraduate thesis requirements

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### 2.3 Summary

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<sup>1</sup> Test footnote Number 1.

<sup>11</sup> Test footnote Number 11.

<sup>21</sup> Test footnote Number 21.

<sup>32</sup> Test footnote Number 32.

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ultricies non, pharetra in, velit. Integer arcu est, nonummy in, fermentum faucibus, egestas vel, odio.

## Chapter 3 Guide to Formatting Figure, Table and Formula

### 3.1 Guide to formatting figure

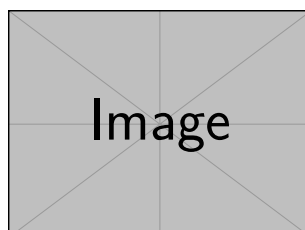


Figure 3–1 Example image

Table 3–1 Experimental data

Test Program	Run Time (s)	Sync Time (s)	Checkpoint Time (s)	Rollback Time (s)	Transfer Time (s)	Checkpoint File Size (KB)
CG.A.2	23.05	0.002	0.116	0.035	0.589	32491
CG.A.4	15.06	0.003	0.067	0.021	0.351	18211
CG.A.8	13.38	0.004	0.072	0.023	0.210	9890
CG.B.2	867.45	0.002	0.864	0.232	3.256	228562
CG.B.4	501.61	0.003	0.438	0.136	2.075	123862
CG.B.8	384.65	0.004	0.457	0.108	1.235	63777
MG.A.2	112.27	0.002	0.846	0.237	3.930	236473
MG.A.4	59.84	0.003	0.442	0.128	2.070	123875
MG.A.8	31.38	0.003	0.476	0.114	1.041	60627
MG.B.2	526.28	0.002	0.821	0.238	4.176	236635
MG.B.4	280.11	0.003	0.432	0.130	1.706	123793
MG.B.8	148.29	0.003	0.442	0.116	0.893	60600
LU.A.2	2116.54	0.002	0.110	0.030	0.532	28754
LU.A.4	1102.50	0.002	0.069	0.017	0.255	14915
LU.A.8	574.47	0.003	0.067	0.016	0.192	8655
LU.B.2	9712.87	0.002	0.357	0.104	1.734	101975
LU.B.4	4757.80	0.003	0.190	0.056	0.808	53522
LU.B.8	2444.05	0.004	0.222	0.057	0.548	30134
EP.A.2	123.81	0.002	0.010	0.003	0.074	1834
EP.A.4	61.92	0.003	0.011	0.004	0.073	1743
EP.A.8	31.06	0.004	0.017	0.005	0.073	1661

Table 3–1 (continued)

Test Program	Run Time (s)	Sync Time (s)	Checkpoint Time (s)	Rollback Time (s)	Transfer Time (s)	Checkpoint File Size (KB)
EP.B.2	495.49	0.001	0.009	0.003	0.196	2011
EP.B.4	247.69	0.002	0.012	0.004	0.122	1663
EP.B.8	126.74	0.003	0.017	0.005	0.083	1656
SP.A.2	123.81	0.002	0.010	0.003	0.074	1854
SP.A.4	51.92	0.003	0.011	0.004	0.073	1543
SP.A.8	31.06	0.004	0.017	0.005	0.073	1671
SP.B.2	495.49	0.001	0.009	0.003	0.196	2411
SP.B.4 <sup>a</sup>	247.69	0.002	0.014	0.006	0.152	2653
SP.B.8 <sup>b</sup>	126.74	0.003	0.017	0.005	0.082	1755

<sup>a</sup> A note.<sup>b</sup> Another note.

## 3.2 Formula format

$$\frac{1}{\mu} \nabla^2 \mathbf{A} - j\omega\sigma \mathbf{A} - \nabla \left( \frac{1}{\mu} \right) \times (\nabla \times \mathbf{A}) + \mathbf{J}_0 = 0 \quad (3-1)$$

$$\int_a^b f(x) dx = \lim_{|P| \rightarrow 0} \sum_{i=1}^n f(\xi_i) \Delta x_i \quad (3-2)$$

## 3.3 Codeblock Example

```
#include <stdio.h>
#include <unistd.h>
#include <sys/types.h>
#include <sys/wait.h>

int main() {
    pid_t pid;

    switch ((pid = fork())) {
    case -1:
        printf("fork failed\n");
        break;
    case 0:
        /* child calls exec */
        execl("/bin/ls", "ls", "-l", (char*)0);
```

```

    printf("execl failed\n");
    break;
default:
    /* parent uses wait to suspend execution until child finishes */
    wait((int*)0);
    printf("is completed\n");
    break;
}
return 0;
}

```

### 3.4 Algorithm Example

---

#### Algorithm 3–1 Algorithm Example

---

**Data:** this text

**Result:** how to write algorithm with  $\text{\LaTeX 2}_{\epsilon}$

```

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

```

---

### 3.5 Summary

Sed commodo posuere pede. Mauris ut est. Ut quis purus. Sed ac odio. Sed vehicula hendrerit sem. Duis non odio. Morbi ut dui. Sed accumsan risus eget odio. In hac habitasse platea dictumst. Pellentesque non elit. Fusce sed justo eu urna porta tincidunt. Mauris felis odio, sollicitudin sed, volutpat a, ornare ac, erat. Morbi quis dolor. Donec pellentesque, erat ac sagittis semper, nunc dui lobortis purus, quis congue purus metus ultricies tellus. Proin et quam. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos hymenaeos. Praesent sapien turpis, fermentum vel, eleifend faucibus, vehicula eu, lacus.





## Chapter 4 Conclusions

### 4.1 Main conclusions

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### 4.2 Research outlook

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## Appendix A Nomenclature

$\epsilon$	dielectric constant
$\mu$	magnetic conductivity
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$\epsilon$	dielectric constant
$\mu$	magnetic conductivity

## **List of Research Achievements**

### **Thesis**

- [1] Chen H, Chan C T. Acoustic cloaking in three dimensions using acoustic metamaterials[J]. Applied Physics Letters, 2007, 91:183518.
- [2] Chen H, Wu B I, Zhang B, et al. Electromagnetic Wave Interactions with a Metamaterial Cloak[J]. Physical Review Letters, 2007, 99(6):63903.

### **Patent**

- [3] ...





## Acknowledgements

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