Bachelor or Master Thesis

Title

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March 17, 2025

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Abstract

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This thesis template is available at `https://github.com/parcio/templates` and consists of Chapters 1 to 4. It also contains Appendix A.

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Chapter 1.

Introduction

In this chapter, ...

1.1. Motivation

(a) Left

(b) Right

Figure 1.1.: Caption

You can refer to the subfigures (Figures 1.1a and 1.1b) or the figure (Figure 1.1).

Summary

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Chapter 2.

Background

In this chapter, ...

2.1. Citations

You can comfortably reference literature [Duwe et al., 2020] or websites [ParCIO Group, 2024].[1] BibTeX entries for a large number of publications can be found at `https://dblp.org/`.

2.2. Tables

Header 1	Header 2	Header 3
Row 1	Row 1	Row 1
Row 2	Row 2	Row 2

Table 2.1.: Caption

You can also refer to tables (Table 2.1).

2.3. Math

$$E = mc^2$$

Summary

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[1] This is a footnote.

Chapter 3.

Evaluation

In this chapter, ...

3.1. Listings

```
printf("Hello world!\n");

// Comment
for (int i = 0; i < m; i++) {
    for (int j = 0; j < n; j++) {
        sum += 'a';
    }
}
```

Listing 3.1: Caption

You can also refer to listings (Listing 3.1).

Summary

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Chapter 4.

Conclusion

In this chapter, ...

4.1. Todos

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Summary

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Bibliography

[Duwe et al., 2020] Duwe, K., Lüttgau, J., Mania, G., Squar, J., Fuchs, A., Kuhn, M., Betke, E., and Ludwig, T. (2020). State of the Art and Future Trends in Data Reduction for High-Performance Computing. *Supercomput. Front. Innov.*, 7(1):4–36. (Cited on page 3)

[ParCIO Group, 2024] ParCIO Group (2024). Parallel Computing and I/O Blog. `https://blog.parcio.de/`. License: CC BY-SA 4.0. (Cited on page 3)

Appendix A.

Appendix

```
printf("Hello world!\n");

// Comment
for (int i = 0; i < m; i++) {
    for (int j = 0; j < n; j++) {
        sum += 'a';
    }
}
```

Listing A.1: Caption

Statement of Authorship

Thesis Title:

Name:

Date of Birth:

Matriculation Number:

I herewith assure that I have written the present thesis independently, that the thesis has not been partially or fully submitted as graded academic work and that I have used no other means than the ones indicated. I have indicated all parts of the work in which sources are used according to their wording or according to their meaning.

I am aware of the fact that violations of copyright can lead to injunctive relief and claims for damages of the author as well as a penalty by the law enforcement agency.

Furthermore, I confirm that I am aware that the use of content (including but not limited to text, figures, images and code) generated by artificial intelligence (AI) in the thesis must be disclosed. In those cases I have specified the AI system used, I have marked the specific sections of the thesis where AI-generated content was used, and I have provided a brief explanation of the level of detail at which the AI system was used to generate the content. I also stated the reason for using the tools.

I assure that even if a generative AI system has been used, the scientific contribution has been made entirely by myself.

Magdeburg, March 17, 2025

Signature