

Seminar Report

[Put your title here]

[Put your name here]

MatrNr: [Put your matrikel number here]

Supervisor: [Put your supervisors name here]

Georg-August-Universität Göttingen
Institute of Computer Science

August 15, 2023

Abstract

[Put your abstract here.] Note that we typically publish your report as PDF on our webpage. Let us know if you disagree.]

General structure of an abstract, write 1 to 2 sentences per section

1. A general statement introducing the broad research area of the particular topic being investigated.
2. An explanation of the specific problem (difficulty, obstacle, challenge) to be solved.
3. A review of existing or standard solutions to this problem and their limitations.
4. An outline of the proposed new solution.
5. A summary of how the solution was evaluated and what the outcomes of the evaluation were.

You may find the following resources useful:

- <https://www.grammarly.com/blog/write-an-abstract/>
- <https://www.editage.com/insights/manuscript-structure-how-to-convey-your-most-im>
- More useful links: <https://hps.vi4io.org/teaching/ressources/start>

Statement on the usage of ChatGPT and similar tools in the context of examinations

In this work I have used ChatGPT or a similar AI-system as follows:

- ☒ Not at all
- ☐ In brainstorming
- ☐ In the creation of the outline
- ☐ To create individual passages, altogether to the extent of 0% of the whole text
- ☐ For proofreading
- ☐ Other, namely: -

I assure that I have stated all uses in full.

Missing or incorrect information will be considered as an attempt to cheat.

Contents

List of Tables

List of Figures

List of Listings

List of Abbreviations

HPC High-Performance Computing

1 Introduction

[Any page limit starts with the main content here and ends with the biography (before the appendix).

The introduction is the most important part of such a report. Its general structure is similar to the Abstract but with about one paragraph per section as listed again below.

1. A general statement introducing the broad research area of the particular topic being investigated.
2. An explanation of the specific problem (difficulty, obstacle, challenge) to be solved.
3. A review of existing or standard solutions to this problem and their limitations.
4. An outline of the proposed new solution.
5. A summary of how the solution was evaluated and what the outcomes of the evaluation were.

Furthermore, the introduction should have a contributions section, that summarizes, possibly as a list, what the report and the work described in the report has contributed. Finally, the introduction should end with an outline of the remaining report.

HPC! (HPC!) refers to the usage of powerful compute systems to solve non-trivial problems.

1.1 Citation and figure example

Hawthorn et al. [Reference1] talk about laser, which is similar to the work of his colleagues [Reference2; Reference3].



Figure 1: An electron (artist's impression).

1.2 Table and listing example

?? shows an example for a table in L^AT_EX.

Table 1: The effects of treatments X and Y on the four groups studied.

Groups	Treatment X	Treatment Y
1	0.20	0.80
2	0.17	0.70
3	0.24	0.75
4	0.68	0.30

[If you show results in tables, always ensure all of them are aligned to the right and have the same precision.]

?? shows an example of a listing, a good way to display code in L^AT_EX.

```
1 package main
2 import "fmt"
3 func main() {
4     fmt.Println("Hello, world!")
5 }
```

Listing 1: "Hello, world!" in Go

2 Conclusion

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.

A Work sharing

If you worked in a group, describe here how you distributed the work and the actual contributions of each peer.

A.1 Hans

...

A.2 Peter

...

B Code samples

This is part of the appendix...