



Master Thesis

Title

My Title

Version 1.0
23. November 2024

Supervision

supervisor1

supervisor2

Family Name 1

Given Name 1

111111

Software Engineering
Heilbronn University

Family Name 2

Given Name 2

222222

Software Engineering
Heilbronn University

I. Abstract

This is my Abstract

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua quaerat voluptatem. Ut enim ad eaque doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguere possit, augeri amplificarique non possit. At etiam Athenis, ut e patre audiebam facete et urbane Stoicos irridente, statua est in quo a nobis philosophia defensa et collaudata est, cum id, quod maxime placeat, facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et.

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VIII. Acronyms

Template Todo!

1. Introduction

This is my introduction

2. Research Question

This is my Research Question

Research Question, Goals, Approach, etc. Why are we doing all this? Benefits

3. State of the Art

This is the state of the art

4. Document Tutorial

4.1. About this Template

This template was created with the intention of offering students who complete work in the UniTyLab of the [Heilbronn University](#) a simple and clean solution for written submissions such as project documentation or theses.

Template Version 0.0.1 from 23. November 2024

4.2. How to Typst

Typst behaves very similarly to Markdown, so writing should be very easy. Typst also offers the option of more complex functions. Typst therefore provides extensive [Documentation](#) that explains many of these functions.

Typst allows the use of [symbols](#). ✓ ∅ ← Δ

4.3. How to use this Template

4.3.1. Files and Left Sidebar

4.3.2. What you should do

- Write down your information in the file “doc-info”
- Use the folder “chapters - mandatory” to write down the mandatory chapters of your document
- Use the folder “chapters - personal” to add own chapters
- Create diagrams in the folder “diagrams”
- Upload images in the folder “images”
- Use the “bib” folder for references, glossary and else

4.3.3. What you should not do

- Touch anything in the folder “template”

4.3.4. What you can do

- Use the utilities in the folder “utilities”
- Add chapters in-between in the folder “structure” (not recommended)

4.3.4.1. dsfgdsfgertte

eertzertzertzertz

4.3.5. Language

The template is in English, but you can also write in German. A full German support is not realized yet.

4.4. Management of Sources

1. Download and install [Zotero](#)
2. Download and install [Better BibTex](#)
3. Go to Settings -> Export
4. Under “Quick Export” set “Format for Entries” to “Better BibLaTeX”
5. Simply pull Zotero entries into the “bib/sources.bib”
6. Reference the source with an @

This is a test [1].

4.5. Figures

Images, tables, etc. have to be displayed as [figure](#) to get outlined in the specific list of contents and to get a numbered caption.

The “placement” of the figures in this document are set to “none”, which means that you are responsible for there correct positioning. It is possible to set the placement of the figures to “auto”. If you do that, Typst places them automatically an the top or bottom of a site. Often a mixture of placement settings is the best option.

It is recommended to use the figures folder to organize your figures. Some examples are given, but how you organize them is up to you.

4.5.1. Images

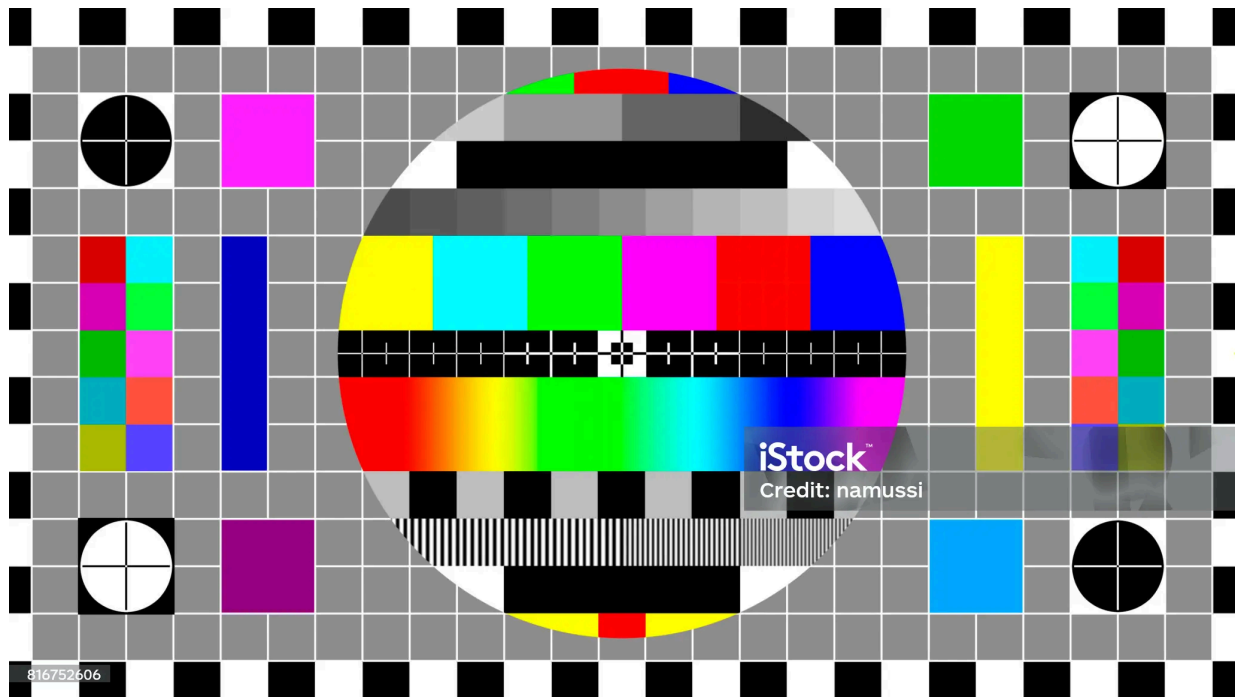


Figure 1: Testing Image

4.5.2. Tables

| | | | |
|---|-----|-----|-----|
| t | 1 | 2 | 3 |
| y | 0.3 | 0.7 | 0.5 |

Table 1: Testing Table

4.5.3. Code

For the Code, the Typst Universe Package [codly](#) is used. Click the link to find the documentation.

```
1 pub fn main() {
2   println!("Hello, world!");
3 }
```

 Rust

Code Snippet 1: Codeblock Example

4.5.4. Callouts

Uses “textbox” from `utilities/textbox.typ`

This is a Callout

Callouts can be used to highlight very important information or notes.

Callout 1: This is an important note

4.5.5. Diagrams

For the Glossary, the Typst Universe Package [fletcher](#) is used. Click the link to find the documentation.

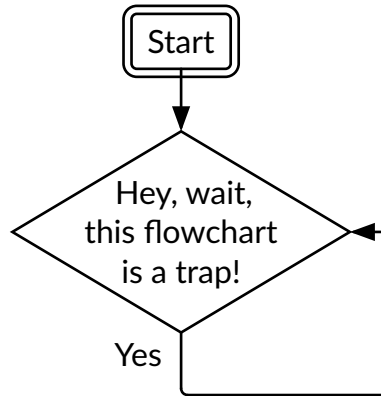


Diagram 1: Helpful diagram

For Drawings, the Typst Universe Package [cetz](#) is used. Click the link to find the documentation.

For Gantt Charts, the Typst Universe Package [timeliney](#) is used. Click the link to find the documentation.

4.5.6. Equations

We define:

$$\phi := \frac{1 + \sqrt{5}}{2} \tag{1}$$

With Equation 1, we get:

$$F_n = \left\lfloor \frac{1}{\sqrt{5}} \phi^n \right\rfloor \tag{2}$$

4.5.7. Wrapping

For the Glossary, the Typst Universe Package [wrap-it](#) is used. Click the link to find the documentation.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim aenean sit amet, nunc malesuada accumsan ut ut. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguere possit, augeri amplificarique non possit. At etiam Athenis, ut e patre audiebam facere et urbane Stoicos.

This is a Callout

Callouts can be used to highlight very important information or notes.

Callout 2: This is an important note

4.6. Glossary

For the Glossary, the Typst Universe Package [glossarium](#) is used. Click the link to find the documentation.

You can call your entries by using `#gls("")` or `#glspl("")`.

First call: Central Processing Unit (CPU)

Second call: CPU

Plural call: CPUs

First call: Graphical Processing Unit (GPU)

Second call: GPU

Plural call: GPUs

4.7. Reviews

4.7.1. From supervisors

supervisor1

Feedback

supervisor2

Feedback

4.7.2. From friends and others

List of available [colors](#)

Do not use red, orange and blue.

Friend

Feedback

Grandmother

Feedback

5. personal chapter 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim admodum doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguere possit, augeri amplificarique non possit. At etiam Athenis, ut e patre audiebam facete et urbane Stoicos irridente, statua est in quo a nobis philosophia defensa et collaudata est, cum id, quod maxime placeat, facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam.

6. personal chapter 2

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aequale doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguere possit, augeri amplificarique non possit. At etiam Athenis, ut e patre audiebam facete et urbane Stoicos irridente, statua est in quo a nobis philosophia defensa et collaudata est, cum id, quod maxime placeat, facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam.

7. Results

These are my results

8. Discussion

This is my discussion

9. Conclusion

This is my conclusion

10. Outlook

This is my outlook

Bibliography

- [1] M. N. Choudhry, Z. Ahmad, and R. Verma, "Adolescent Idiopathic Scoliosis," *The Open Orthopaedics Journal*, vol. 10, no. 1, pp. 143–154, May 2016, doi: [10.2174/1874325001610010143](https://doi.org/10.2174/1874325001610010143).

Glossary

Glossary Group 1

GPU - *Graphical Processing Unit* [6](#)

Glossary Group 2

CPU - *Central Processing Unit* [6](#)

Template Information

Version: **Template Version 0.0.1** from 23. November 2024

Purpose: template-purpose

Licence: template-licence

Author: Ferdinand Burkhardt

Font: lato

Size: 12pt

Leading: 0.52em

Language Settings: en

[Typst Universe Package](#)

Affidavit of Given Name 1 Family Name 1

I hereby affirm that this Master Thesis represents my own written work and that I have used no sources and aids other than those indicated.

All passages quoted from publications or paraphrased from these sources are properly cited and attributed.

The thesis was not submitted in the same or in a substantially similar version, not even partially, to another examination board and was not published elsewhere.

Given Name 1 Family Name 1 (111111)
Software Engineering

Heilbronn University — 23. November 2024
Given Name 1 Family Name 1

Affidavit of Given Name 2 Family Name 2

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Given Name 2 Family Name 2 (222222)
Software Engineering

Heilbronn University — 23. November 2024
Given Name 2 Family Name 2

Appendix

A. MY STUFF GOES HERE!

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aeque doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguique possit, augeri amplificarique non possit. At etiam Athenis, ut e patre audiebam facete et urbane Stoicos irridente, statua est in quo a nobis philosophia defensa et collaudata est, cum id, quod maxime placeat, facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et.

A.1. asdfsadfa

A.2. asdfasdf

B. asdfasdfasfd

B.1. asdfsdfaf

B.2. asdfasdf