Partial Solutions to Universal Problems (APA Version)

A Fundamental Introduction

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BACHELOR THESIS

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Declaration

I hereby declare and confirm that this thesis is entirely the result of my own original work. Where other sources of information have been used, they have been indicated as such and properly acknowledged. I further declare that this or similar work has not been submitted for credit elsewhere. This printed copy is identical to the submitted electronic version.

Hagenberg, July 1, 2025

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Contents

Declaration ii

Preface v

Abstract vi

Kurzfassung vii

1 Introduction 1

2 Writing a Thesis 2

3 Working with LaTeX 3

4 Figures, Tables, Source Code 4

5 Mathematical Elements 5

6 Using Literature 6
6.1 Narrative Citations 6
6.2 Narrative Citations Within Parentheses 6
6.3 Parenthetical Citations 6

7 Printing the Manuscript 7

8 Closing Remarks 8

A Technical Details 9

B Supplementary Materials 10
B.1 PDF Files 10
B.2 Media Files 10
B.3 Online Sources (PDF Captures) 10

C Questionnaire 11

D LaTeX Source Code 12

References **13**
Literature 13
Online sources 13

Preface

This document uses the APA citation and reference style (see Ch. 6 for details).

Abstract

This should be a 1-page (maximum) summary of your work in English.

Kurzfassung

An dieser Stelle steht eine Zusammenfassung der Arbeit, Umfang max. 1 Seite. ...

Chapter 1

Introduction

Chapter 2

Writing a Thesis

Chapter 3

Working with LaTeX

Chapter 4

Figures, Tables, Source Code

Chapter 5

Mathematical Elements, Equations and Algorithms

Chapter 6

Using Literature and other Resources

The APA citation style[1] requires different citation macros, depending on the usage and the occurrence of the reference in the text.

6.1 Narrative Citations

For narrative citations, the reference is used as the subject or object of the sentence. The year is placed after the author's name in parentheses. To create this kind of citation use

`\textcite{`*keys*`}`.

Example: Daniel et al. (2018) give a brief introduction to LaTeX, whereas Kopka and Daly (2003) and Oetiker et al. (2021) go into more detail.

6.2 Narrative Citations Within Parentheses

If a reference is to be used *within* parentheses, these must be omitted from the citation. The associated command is

`\nptextcite{`*keys*`}`.

Example: In any case, it is recommended to obtain literature on the topic of LaTeX (e.g., Daniel et al., 2018; Kopka & Daly, 2003; Oetiker et al., 2021).

6.3 Parenthetical Citations

Parenthetical citations are used when the reference should be cited at the end of a sentence or statement. The author's name and year are enclosed in parentheses and separated by a comma. In this case, use

`\parencite{`*keys*`}`.

Example: For LaTeX, there are short introductions (Daniel et al., 2018), as well as more comprehensive works (Kopka & Daly, 2003; Oetiker et al., 2021).

[1] https://apastyle.apa.org/style-grammar-guidelines/references/

Chapter 7

Printing the Manuscript

Chapter 8

Closing Remarks

Appendix A

Technical Details

Appendix B

Supplementary Materials

List of supplementary data submitted to the degree-granting institution for archival storage (in ZIP format).

B.1 PDF Files

Path: /

thesis.pdf . . . . . Master/Bachelor thesis (complete document)

B.2 Media Files

Path: /media

*.ai, *.pdf . . . . . Adobe Illustrator files
*.jpg, *.png . . . . . raster images
*.mp3 . . . . . audio files
*.mp4 . . . . . video files

B.3 Online Sources (PDF Captures)

Path: /online-sources

Reliquienschrein-Wikipedia.pdf ("Reliquienschrein", 2023)

Appendix C

Questionnaire

Appendix D

LaTeX Source Code

References

Literature

Daniel, M., Gundlach, P., Schmidt, W., Knappen, J., Partl, H., & Hyna, I. (2018, April 8). *LaTeX2e-Kurzbeschreibung*. Version 3.0c. https://mirrors.ctan.org/info/lshort/german/l2kurz.pdf (cit. on p. 6).

Kopka, H., & Daly, P. W. (2003). *Guide to LaTeX* (4th ed.). Addison-Wesley. (Cit. on p. 6).

Oetiker, T., Partl, H., Hyna, I., & Schlegl, E. (2021, March 9). *The not so short introduction to LaTeX 2ε: Or LaTeX 2ε in 139 minutes*. Version 6.4. https://mirrors.ctan.org/info/lshort/english/lshort.pdf (cit. on p. 6).

Online sources

Reliquienschrein. (2023, December 20). Retrieved February 18, 2025, from https://de.wikipedia.org/wiki/Reliquienschrein

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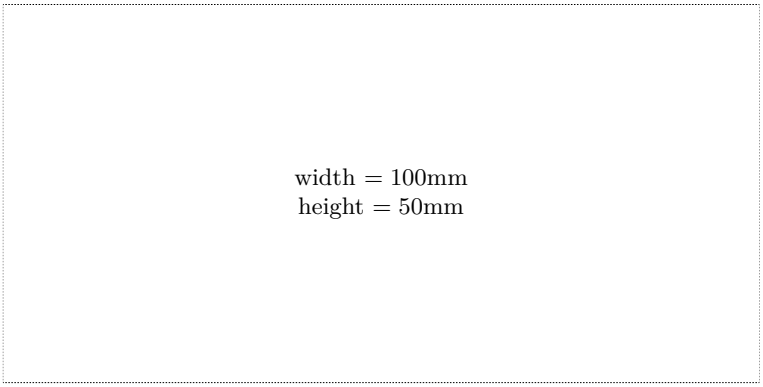

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