UNIKASSEL
VERSITÄT

Fachbereich Elektrotechnik/Informatik
Fachgebiet Digitaltechnik

TITEL DER ARBEIT

BACHELORARBEIT

zur Erlangung des Grades eines Bachelor of Science
im Fachbereich Elektrotechnik/Informatik
der Universität Kassel

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eingereicht am: DATUM

Zusammenfassung / Abstract

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Erklärung

Hiermit erkläre ich, dass ich die vorliegende Arbeit selbstständig und nur mit den nach der Prüfungsordnung der Universität Kassel zulässigen Hilfsmitteln angefertigt habe. Die verwendete Literatur ist im Literaturverzeichnis angegeben. Wörtlich oder sinngemäß übernommene Inhalte habe ich als solche kenntlich gemacht.

ORT, DATUM

DEIN NAME

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Listings

1 Einleitung / Introduction

Some guidelines and examples are given in the following.

1.1 Citations

Citations should be made using BibTeX in the file `thesis.bib`. Using BibTeX, different styles are available for different types of publications. Examples are books [?], journal articles [?], conference proceeding [?] and electronic resources [?]. Multiple references can be made by [?, ?, ?, ?].

1.2 Figures

A simple example of a figure can be found in Abbildung 1.1. A more complex figure including subfigures is show in Abbildung 1.2. Here each subfigure can be addressed separately (e.g., Abbildung 1.2(a) and Abbildung 1.2(b)). Please use vector graphics (pdf, eps obtained from svg, etc.) whenever possible. Pixel formats like jpeg, bmp, etc. should only be used for real photographs.

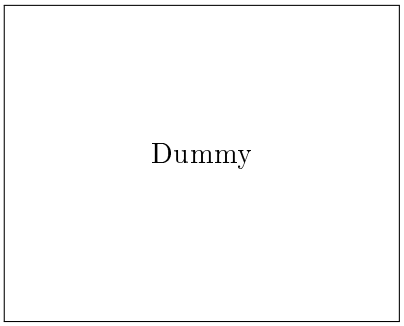
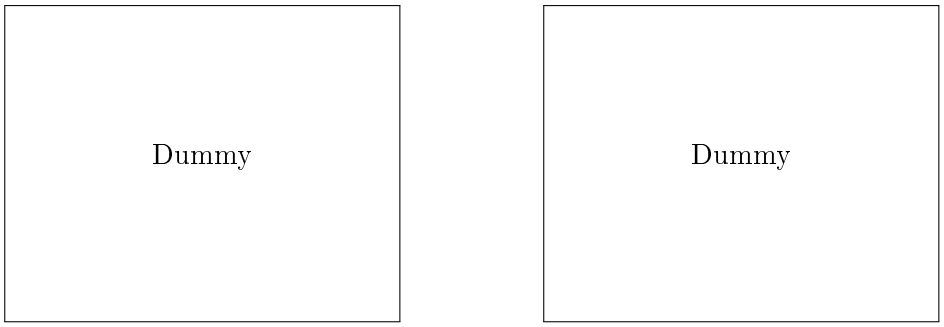


Abbildung 1.1: Simple figure



(a) Caption of subfigure a (can be empty) (b) Caption of subfigure b (can be empty)

Abbildung 1.2: Figure using subfigures

1.3 Tables

Examples of tables can be found in Table 1.1 and Table 1.2. In general vertical lines are not necessary and should be avoided (see [?] for more about table styles).

Tabelle 1.1: A very simple table

	Apple	Orange	Banana
Colour	green	orange	yellow

Tabelle 1.2: An example of a more complex table

		RPAG algorithm				RPAGT (proposed)				
N	N_{uq}	S	add ops	pure reg.	reg. ops	S	add ops	pure reg.	reg. ops	impr.
6	3	3	8	1	9	2	5	0	5	44.4%
10	5	3	10	3	13	2	6	2	8	38.5%
13	7	3	14	2	16	2	8	2	10	37.5%
20	10	3	15	4	18	2	9	3	12	33.3%
28	14	3	20	3	23	2	15	2	17	26.1%
41	21	3	31	1	32	2	23	2	25	21.9%
61	31	3	39	3	42	2	32	2	34	19.0%
119	54	3	62	7	69	2	56	1	57	17.4%
151	71	3	79	4	83	2	72	2	74	10.8%
avg.:	24		30.89	3.56	33.89		25.11	1.78	26.89	27.7%

1.4 Listings

Listings can be included in the text using the `lstlisting` environment. An example listing is shown in Listing 1.1. The listing format is set for pseudocodes (based on the C language). For other languages adjust the settings in `header.tex`.

Listing 1.1: RPAGT Algorithm

```
1  RPAGT(T)
2    S := max_{t∈T} AD^3_min(t)
3    X_S := {odd(t) | t ∈ T} \ {0}
4    for s = S ... 2
5      W := X_s
6      P := ∅
7      do
8        p ← best_single_predecessor(P, W, s)
9        if p ≠ 0
10         P ← P ∪ {p}
11       else
12         P' ← best_msd_predecessor_set(W, s)
13         P ← P ∪ P'
14       W ← W \ A^3_*(P)
15     while |W| ≠ ∅
16     X_{s-1} ← P
```

1.5 ToDo's

During the writing of the thesis, ToDo's in the text can be highlighted using `\todo`. Notes at the border of the text can be done using `\todom`. TODO: This has to be more extended

TODO: ToDo remark at the border

A Anhang / Appendix