

Bachelor/Master Thesis

Julius-Maximilians-
**UNIVERSITÄT
WÜRZBURG**

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Abstract

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Zusammenfassung

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1 Einleitung

To Be Done (TBD), TBDs (for plural)

To reference other sections, you can use `\{cref}`. This is an improved version of the reference command that also prints the type (section, figure, ...).

To reference online sources, be sure not to forget the *urldate* field [1].

You can also cite multiple sources [1, 2] together.

2 Grundlagen

Definition 1. *Definitions can be useful for technical/mathematical thesis. There are also other environments and also the proof environment. They are defined in `thesisclass.cls`. Have a look! You can also define your own ones if your supervisor is fine with it.*

Lemma 2. *This is a lemma.*

Theorem 3 (Gödel's incompleteness theorem). *This is a theorem and it also has a name.*

Beweis. Theorems usually come with proofs. This one follows from Lemma 2. □

3 Verwandte Arbeiten

[2]

4 Ansatz

4.1 Section A

Tabelle 4.1: This is an example table to be listed in List of Tables.

Header Column 1	Header Column 2
Data Point A	2^{128} iterations
Data Point B	AES-GCM

4.2 Section B

5 Implementierung

Quellcode 5.1: Hello World Program in Erlang.

```
1 -module(hello).  
2 -export([hello_world/0]).  
3  
4 hello_world() -> io:fwrite("hello ,␣world\n").
```

Quellcode 5.2: Program in C++.

```
1 #include <iostream>  
2 int main() {  
3     std::cout << "Hello,␣World!" << std::endl;  
4     this->run();  
5     int a = 0;  
6     if (a ≤ 5){  
7         return 1;  
8     }  
9     // comment line  
10    return 0;  
11 }
```

Quellcode 5.3: YAML Example

```
1 # A sample yaml file  
2 key: value  
3 array:  
4   - item1  
5   - item2:  
6     anotherKey: anotherValue
```

Quellcode 5.4: Pseudo Code Example

```
1 items = [1,2,3]
2 # Print each item in the list
3 for i in items:
4     if i > 2:
5         print("MyItem:␣"+i)
```

Quellcode 5.5: Dockerfile Example

```
1 FROM python:3.13
2 WORKDIR /usr/local/app
3
4 # Install the application dependencies
5 COPY requirements.txt ./
6 RUN pip install --no-cache-dir -r requirements.txt
7
8 # Copy in the source code
9 COPY src ./src
10 EXPOSE 8080
11
12 # Setup an app user so the container doesn't run as the root
   user
13 RUN useradd app
14 USER app
15
16 CMD ["uvicorn", "app.main:app", "--host", "0.0.0.0", "--port",
    "8080"]
```

Quellcode 5.6: JSON Example

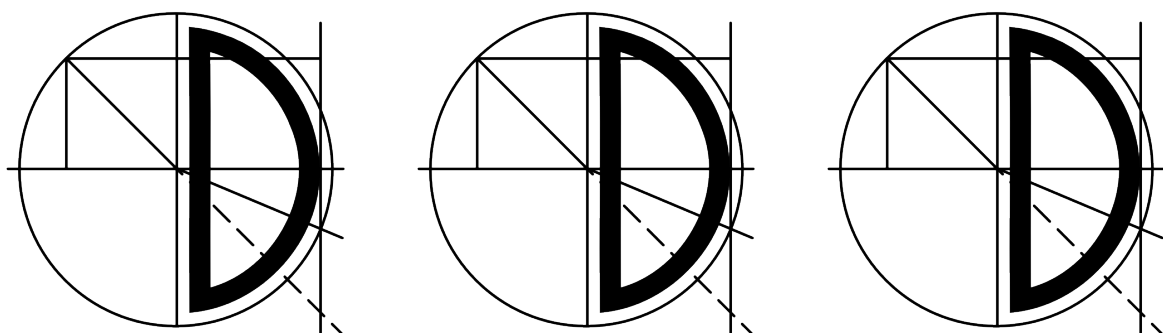
```
1 {  
2     "key": "value",  
3     "pair": [  
4         "first": 0,  
5         "second": "null"  
6         # comment line  
7     ]  
8 }
```


6 Evaluation

6.1 Figures



Abbildung 6.1: Logo of the Descartes research group of the Chair of Software Engineering of University of Wuerzburg. This long story is not included in the list of figures because this is the long description of the image. The list of figures will only contain the text specified in the square brackets before this long description.



(a) Symbol placed on the left side.

(b) Symbol placed in the middle.

(c) Symbol placed on the right side.

Abbildung 6.2: Symbol of the Descartes research group.

It is also possible to include *.svg* figures. However, you need to have the *Inkscape* command line tool installed. This is used in the background to convert the vector graphics to pdfs.

6.2 Units

To properly print units for measurements (e.g. time), use the *siunitx* package.

Example: 3 s or 8 ms or 222 km h⁻¹

Have a look at the package documentation for more examples.

7 Zusammenfassung

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Abkürzungsverzeichnis

TBD To Be Done

Literaturverzeichnis

- [1] Google, “The google search,” 2026, (Accessed 2026-01-12).
- [2] J. G. von Kistowski, N. R. Herbst, and S. Kounev, “Modeling Variations in Load Intensity over Time,” in *Proceedings of the 3rd International Workshop on Large-Scale Testing (LT 2014), co-located with the 5th ACM/SPEC International Conference on Performance Engineering (ICPE 2014)*. New York, NY, USA: ACM, March 2014. doi: 10.1145/2577036.2577037. ISBN 978-1-4503-2762-6 pp. 1–4. [Online]. Available: <http://doi.acm.org/10.1145/2577036.2577037>

Anhang

A First Appendix Section

ein Bild

Abbildung A.1: A figure

...

(Dont forget the Versicherung zur Leistungserbringung, which is strictly required by the Pruefungsamt. Download and fill out the latest version from the Uni Wuerzburg Homepage (uni-wuerzburg.de). Go to Studium -> Pruefungsangelegenheiten -> Formulare -> Abschlussarbeiten / Hausarbeiten -> Versicherung zur Leistungserbringung. Maybe ask your supervisor for help.) **ToDo**