



**University of Stuttgart**  
Germany

*Master's thesis*

**This shall be a great thesis paper with an  
extremely long title but who cares**

**Some theses even have subtitles**

presented by

***Philipp Tempel***

1234567

on

July 14, 2015

A master's thesis presented to the faculty in partial fulfillment of  
the requirements for the degree Master of Science (M.Sc.)

*Examiner*

Jun.-Prof. Dr.-Ing. Andreas Pott

*Graduate Program*

Technische Kybernetik

*Supervisors*

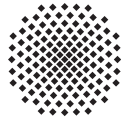
Dipl.-Ing. Philipp Tempel,

Dipl.-Ing. Philipp Tempel

Institute for Control Engineering of Machine Tools and Manufacturing  
Units, University of Stuttgart, Seidenstr. 36, 70174 Stuttgart, Germany







**Universität Stuttgart**

*Masterarbeit*

**Dies soll ein langer Titel der Arbeit sein  
damit er extra lang ist aber das macht ja  
niemandem etwas aus**

**Manche Arbeiten haben sogar Untertitel**

vorgelegt von

*Philipp Tempel*

1234567

am

14.07.2015

Eine Masterarbeit zur Vorlage an der Fakultät zur Erlangung  
des akademischen Grades Master of Science (M.Sc.)

*Prüfer*

Jun.-Prof. Dr.-Ing. Andreas Pott

*Studiengang*

Technische Kybernetik

*Betreuer*

Dipl.-Ing. Philipp Tempel,  
Dipl.-Ing. Philipp Tempel

Institut für Steuerungstechnik der Werkzeugmaschinen und  
Fertigungseinrichtungen, Universität Stuttgart, Seidenstr. 36, 70174  
Stuttgart





# DEDICATION

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.



# ABSTRACT

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

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.

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.





# CONTENTS

<b>Abstract</b>	<b>VII</b>
<b>List of Figures</b>	<b>XI</b>
<b>List of Tables</b>	<b>XIII</b>
<b>1 The Short Title of the Chapter Showing Up in the TOC and the Page Headers</b>	<b>1</b>
<b>2 A Second Chapter</b>	<b>3</b>
2.1 A First Section . . . . .	3
<b>3 The Main Template</b>	<b>5</b>
3.1 Document Structure . . . . .	5
3.2 Referencing . . . . .	8
<b>Appendices</b>	<b>11</b>
<b>A Appendix One</b>	<b>13</b>
A.1 First Section of Appendix One . . . . .	13
A.2 Second Section of Appendix One . . . . .	13
<b>B Appendix Two</b>	<b>15</b>
B.1 First Section of Appendix Two . . . . .	15
B.2 Second Section of Appendix Two . . . . .	15
B.3 Third Section of Appendix Two . . . . .	15



# LIST OF FIGURES

3.1	A sample figure of the New York Hotel at Las Vegas, NV, USA showing the effect of a looooong loooooong caption. . . . .	6
3.2	Even subfigures of two figures are possible . . . . .	6
3.3	Even subfigures of four figures are possible . . . . .	7



# LIST OF TABLES

3.1	A sample table . . . . .	7
3.2	Tables can look nice, even for many many data to display . . . . .	8



# CHAPTER 1

THE VERY FIRST CHAPTER WITH A  
VERY LONG TITLE JUST TO SEE  
WHAT IT LOOKS LIKE SINCE IT SPANS  
MULTIPLE LINES IN THE TOC







## A SECOND CHAPTER

### 2.1 A First Section

#### 2.1.1 A Sample Subsection

A Sample Subsubsection

A Sample Paragraph

A Sample Subparagraph





# THE MAIN TEMPLATE

## 3.1 Document Structure

Basically you are free in organizing your document, however, it is recommended that a certain order of chapters is always obeyed to which is

1. Titlepage
2. Dedication
3. Copyright
4. Declaration of Authorship
5. Abstract (with keywords)
6. Abstract in German if thesis written in English
7. Table of Contents
8. List of Figures
9. List of Tables
10. List of Abbreviations (textual abbreviations like e.g., CDPR)
11. List of Symbols (math symbols and alike)
12. Your main content
13. Appendix or appendices
14. Acknowledgments
15. Bibliography

For figures the guidelines are:



FIGURE 3.1: A sample figure of the New York Hotel at Las Vegas, NV, USA showing the effect of a loooong loooooong caption.



(A) Picture 1



(B) Picture 2

FIGURE 3.2: Even subfigures of two figures are possible



(A) *Picture 1*



(B) *Picture 2*



(C) *Picture 3*



(D) *Picture 4*

FIGURE 3.3: *Even subfigures of four figures are possible*

TABLE 3.1: *A sample table*

Item		
Animal	Description	Price (\$)
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.50
Emu	stuffed	33.33
Armadillo	frozen	8.99

TABLE 3.2: *Tables can look nice, even for many many data to display*

$m$	$\Re\{\underline{\mathfrak{X}}(m)\}$	$-\Im\{\underline{\mathfrak{X}}(m)\}$	$\mathfrak{X}(m)$	$\frac{\mathfrak{X}(m)}{23}$	$A_m$	$\varphi(m) / ^\circ$	$\varphi_m / ^\circ$
1	16.128	8.872	16.128	1.402	1.373	-146.6	-137.6
2	3.442	-2.509	3.442	0.299	0.343	133.2	152.4
3	1.826	-0.363	1.826	0.159	0.119	168.5	-161.1
4	0.993	-0.429	0.993	0.086	0.08	25.6	90
5	1.29	0.099	1.29	0.112	0.097	-175.6	-114.7
6	0.483	-0.183	0.483	0.042	0.063	22.3	122.5
7	0.766	-0.475	0.766	0.067	0.039	141.6	-122
8	0.624	0.365	0.624	0.054	0.04	-35.7	90
9	0.641	-0.466	0.641	0.056	0.045	133.3	-106.3
10	0.45	0.421	0.45	0.039	0.034	-69.4	110.9
11	0.598	-0.597	0.598	0.052	0.025	92.3	-109.3

- Always center images using `\centering` as the very first command of the `figure`-environment.
- Make sure to set the width of your included images explicitly using the `width=\linewidth` option.
- Don't forget to keep the aspect ratio of images if you change their width.
- Never ever under sample images. In other words: never ever enlarge images.
- It's best to use vector graphics i.e., `*.eps` or `*.tikz` for proper quality in both PDFs as well as on screen.
- Add a caption to your image. Captions must be below the image.
- Let the labels be handled automatically by L<sup>A</sup>T<sub>E</sub>X. A best practice is to set the prefix of figures' labels to `fig:`.
- For a good example see Fig. 3.1 and its code at ?? (this reference was created using the `\cref{}` command).
- Always add a full stop to your figure captions like so.

## 3.2 Referencing

Referencing may be done using `\ref{label}` even though usage of `\cref{label}` is encouraged for that it automatically typesets the appropriate type like `Eqn.` or `Fig.`, `Tbl.`, or `Listing` to whatever is being reference. At the beginning of a sentence `\Cref{label}` must be used to fully the referenced type in words. Figure 3.1 refers to a sample figure at the beginning of a sentence, while Fig. 3.1 refers to a sample figure in text.

- Capitalise and write in words the reference object at the beginning of a sentence
- Otherwise use the abbreviated forms of **Fig.**, **Eqn.**, and **Tbl.** for referencing figures, equations, and tables, respectively
- Refer to the `cleveref` package documentation at <http://www.ctan.org/pkg/cleveref>





# Appendices





## APPENDIX ONE

### A.1 First Section of Appendix One

### A.2 Second Section of Appendix One





## APPENDIX TWO

**B.1 First Section of Appendix Two**

**B.2 Second Section of Appendix Two**

**B.3 Third Section of Appendix Two**