RUPRECHT-KARLS-UNIVERSITÄT HEIDELBERG

My Name

My Awesome Thesis Title

Dissertation

HD-KIP XX-XX

KIRCHHOFF-INSTITUT FÜR PHYSIK

DISSERTATION

submitted

to the

Combined Faculties for the Natural Sciences and for Mathematics

of the

Ruperto-Carola University of Heidelberg, Germany

for the degree of

Doctor of Natural Sciences

Put forward by

(name and surname)

born in: (place of birth)

Oral Examination: (date of examination)

(Title)

(of)

(Thesis)

Referees: Prof. Dr. (Name of the 1st referee)

Prof. Dr. (Name of the 2nd referee)

Abstract

(abstract in english. Example: [1])
Lorem ipsum dolor sit amet, consectetur adipisici elit, sed eiusmod tempor incidunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquid ex ea commodi consequat. Quis aute iure reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint obcaecat cupiditat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.
Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi. Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.
Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi.

Zusammenfassung

(Abstract in Deutsch. Beispiel: [1])
Lorem ipsum dolor sit amet, consectetur adipisici elit, sed eiusmod tempor incidunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquid ex ea commodi consequat. Quis aute iure reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint obcaecat cupiditat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.
Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi. Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.
Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi.

Contents

Chapter 1

Introduction

Here is the introduction...

Chapter 2

Experiment

Here is the experiment description.

Chapter 3

Summary

Here is the summary.

Appendix

Appendix A

Some extra stuffs

Here is some extra stuff.

A.1 Standalone Package

When draw some figure with `Tikz`, it is nicer to try out the drawing in the small "test bench" rather than do the drawing in the main dissertation latex project and compile the whole document again and again.

The `standalone` package provides the possibility of putting the figure environments to their own source code files and compiling them in a small "test bench" main file: `standalone_test.tex`.

The figure environments can be put to the dissertation document using `\input{}` command. As an example, Figure A.1 is included here with:

```
\begin{figure}[!h]
        \centering
        \input{appendix/pokemon_ball.tex}
        \caption{A drawing of pokemon ball.}
        \label{fig:standalone}
\end{figure}
```

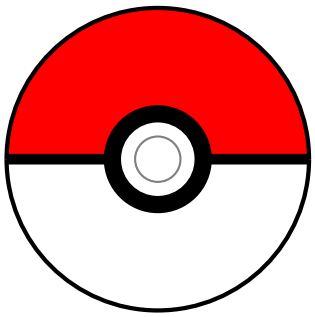

Figure A.1: A drawing of pokemon ball.

A.2 Adding Annotation to figure

A snippet of adding annotations to the figures can be found in *appendix/annotation.tex*. The help lines and the coordination is drawn for adding annotations. The help lines and the coordination can be turned off after adding the annotations.

With the help lines and coordination, the figure shown in Figure A.2.

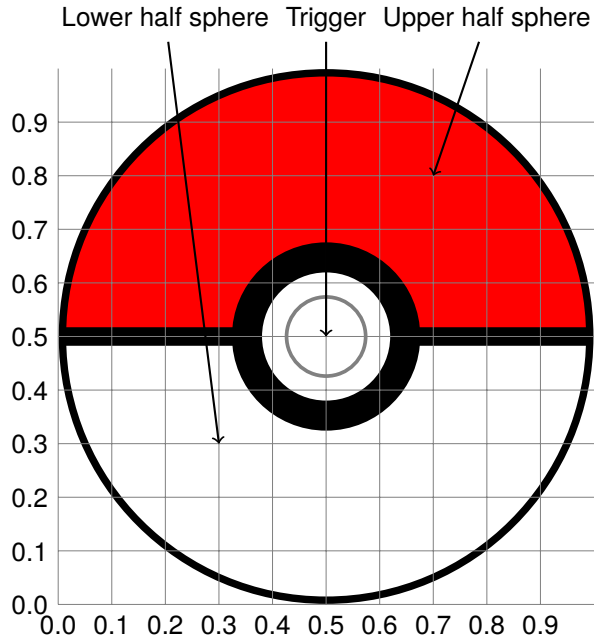

Figure A.2: Example of Adding Annotation to Figure.

A.3 Big O

The "Big O", the order of, is show as O using the math font provided by *newtxmath* package. In order to get the symbol like $\mathcal{O}$, a new symbol is declared using the Computer Modern math font in *setup/macros.tex*:

```
\DeclareSymbolFont{cmfonts}{OMS}{cmsy}{m}{n}
\DeclareMathSymbol{\cmbigO}{\mathord}{cmfonts}{`O}
\newcommand{\bigO}{\mathcal{\cmbigO}}
```

`$\mathcal{O}$` produces $\mathcal{O}$, and `$\bigO$` produces $\mathcal{O}$.

Appendix B

Lists

B.1 List of Figures

B.2 List of Tables

Appendix C

Bibliography

[1] URL: http://la.wikisource.org/wiki/Lorem_ipsum.

Acknowledgements

I would like to thank many people who have helped me during the last few years.