

Topic line of your thesis

Master's thesis

for the qualification towards

Master of Eng.

Faculty of ...

Nelson Mandela University

by

George W. Sample B.Eng

Promoter:	Prof. A. Young	University of ...
Co-Promoter:	Dr. B. Scott	Ostfalia UAS
Date of Issue:	August 31, 2018	
Date of Submission:	August 31, 2018	

Name

Address

-Country-

I hereby declare that the work done in this dissertation is my own and that all sources used or referred to have been documented and recognized.

City

August 31, 2018

Name

Copyright Statement

If necessary for example: The copy of this thesis has been supplied on condition that anyone who consults it is understood to recognize that its copyright rests with the author and that no quotation from this thesis and no information derived from it may be published without the author's prior consent.

Abstract

Acknowledgments

Many thanks for all the support of my mom, my dad, sisters, brothers, uncles and so on

. . . and last but not least - don't forget your Promoters

Contents

List of Tables	2
List of Figures	3
nomenclature	4
1 Chapter	1
1.1 Section	1
1.1.1 Subsection	1
1.1.2 Pictures	1
1.2 Formulas	2
1.2.1 Formula displayed in the text	2
1.2.2 Formula displayed in the text	2
1.2.3 Formula displayed in the text with nicefrac	2
1.2.4 Numbered formula with explanation	3
1.3 Table	5
2 Chapter	6
3 Chapter	7
3.1 2-D Chart	7
3.1.1 Any tips	7
3.2 3-D Chart	9
3.2.1 Advanced tips	9
3.3 Pie Chart	9
3.3.1 Pie Chart source code	11
List of sources	12

List of Tables

1.1 Table 5

List of Figures

1.1 Example (?)	2
1.2 Example 2 (?)	3
1.3 Example (assuming wide picture)	4
3.1 A typical 2-D X-Y Chart	7
3.2 A typical 3-D / X-Y-Z Chart	9
3.3 A typical pie chart	10

Nomenclature

Symbols

<i>Symbol</i>	<i>Unit</i>	<i>Meaning</i>
<i>F</i>	<i>N</i>	Force
<i>m</i>	<i>kg</i>	Mass
<i>a</i>	<i>m/s²</i>	Acceleration

Explanation of abbreviations

Shortcut
CAD

Meaning
Computer Aided Design

1 Chapter

Text¹

1.1 Section

1.1.1 Subsection

Subsubsection

1. Item 1
2. Item 2
3. Item 3
 - Item 3.1
 - Item 3.2
4. Item 4

1.1.2 Pictures

...figure 1.1 shows an example.

¹A footnote

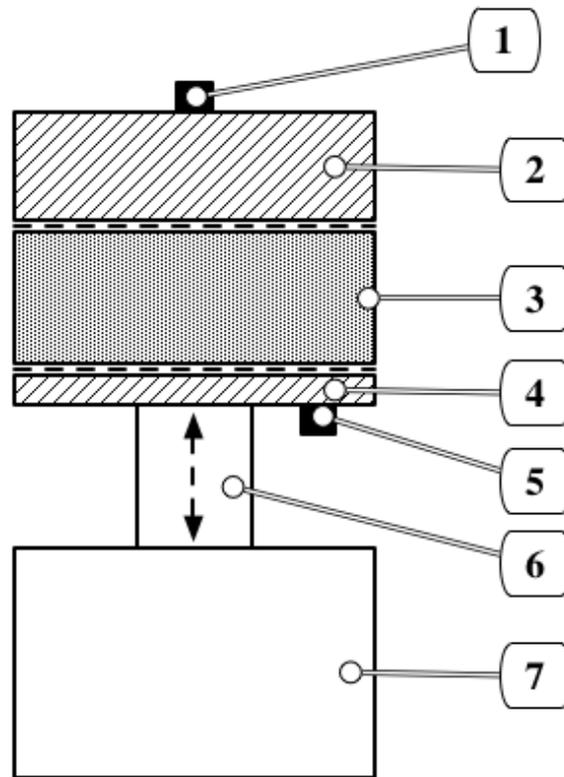


Figure 1.1: Example (?)

1.2 Formulas

1.2.1 Formula displayed in the text

Text $F_{xyz} \cdot P_{vw} = ZZZ$ Text....

1.2.2 Formula displayed in the text

Text $\frac{P_{xy}}{Q_{vw}} = TTT$ Text.....

1.2.3 Formula displayed in the text with nicefrac

Text $\frac{P_{xy}}{Q_{vw}} = TTT$ Text.....

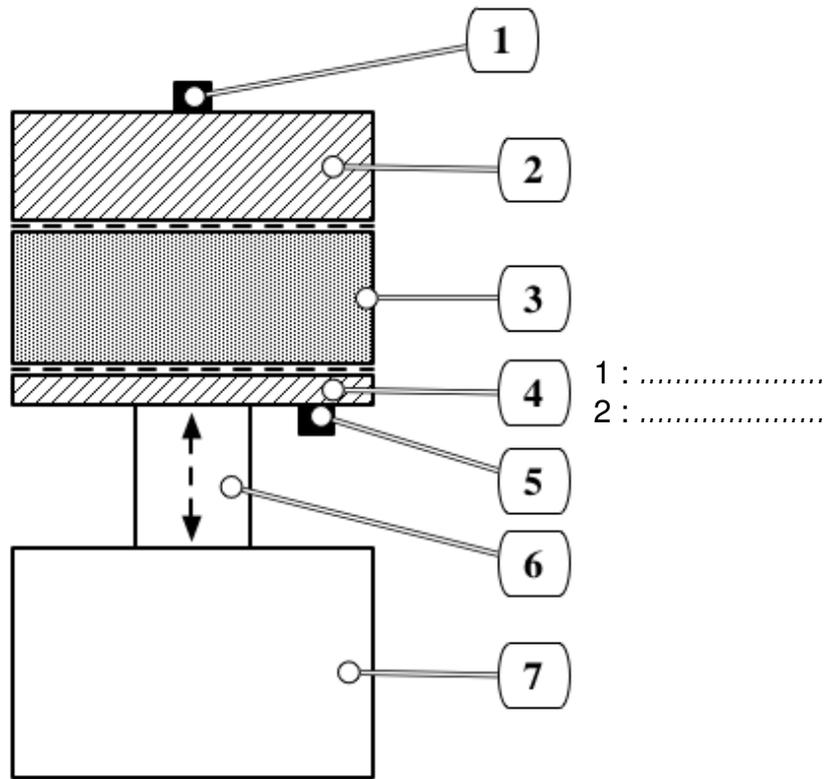


Figure 1.2: Example 2 (?)

1.2.4 Numbered formula with explanation

Please prefer the

$\frac{}{}$

command. It gets a better layout if you have double mathematical fractions.

$$P_e = \frac{H_U \cdot \rho_L}{\lambda \cdot L_{min} + 1} + \lambda_L \cdot \eta_e \cdot V_H \cdot \frac{T_U}{T_A} \cdot n \quad (1.1)$$

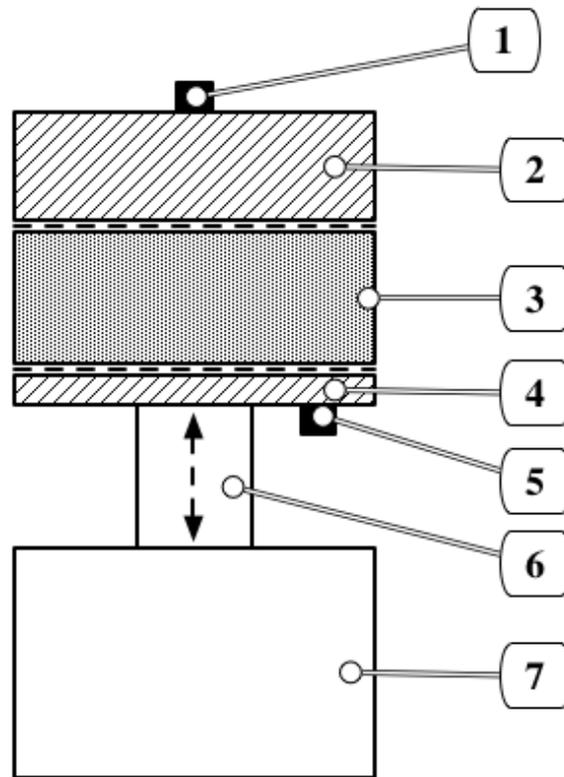


Figure 1.3: Example (assuming wide picture)

1; 2; 3

F	= force	N
m	= mass	kg
a	= acceleration	m/s^2

1.3 Table

Table 1.1: Table

Text	Text	Text
Text	10	40
Text	10	80
Text	10	50
Text	10	100

2 Chapter

... here is your text, pictures ... of chapter 2.

Split the Latex code of your Thesis in chapters, so you keep a better overview about your work.

3 Chapter

3.1 2-D Chart

3.1.1 Any tips

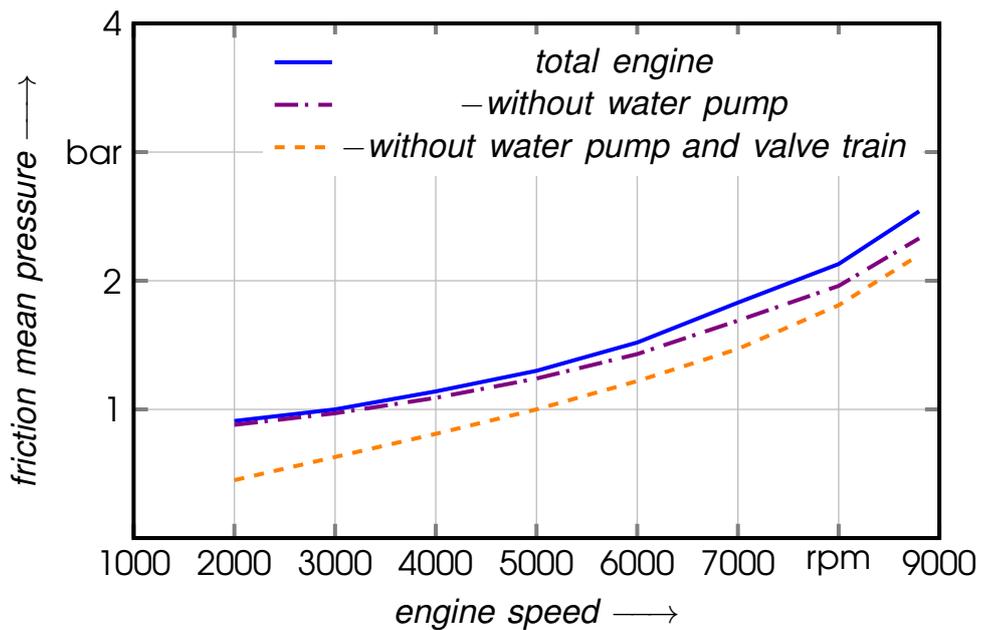


Figure 3.1: A typical 2-D X-Y Chart

1. Please use remarks and comments at your curves because a picture says more than one thousand words – make it readable – we are engineers !
2. Watch that the figures and letters at your chart has the same size and

style as your text. It makes your thesis very consistent, smooth and professional.

3.2 3-D Chart

3.2.1 Advanced tips ...

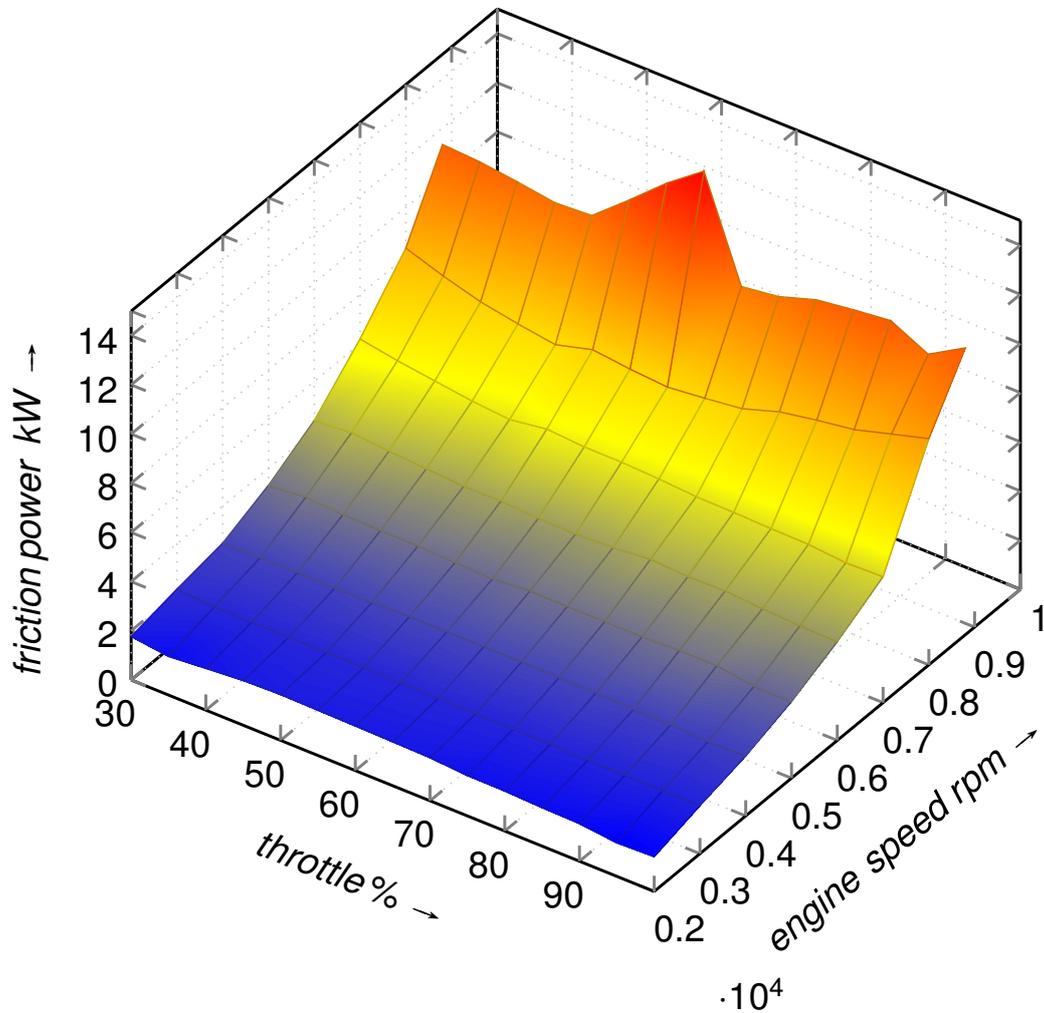


Figure 3.2: A typical 3-D / X-Y-Z Chart

3.3 Pie Chart

A very nice tool to illustrate several values is a pie chart. Please use therefore the

```
\usepackage{pgf-pie}
```

package and put the source in the

`tikzpicture`

environment.

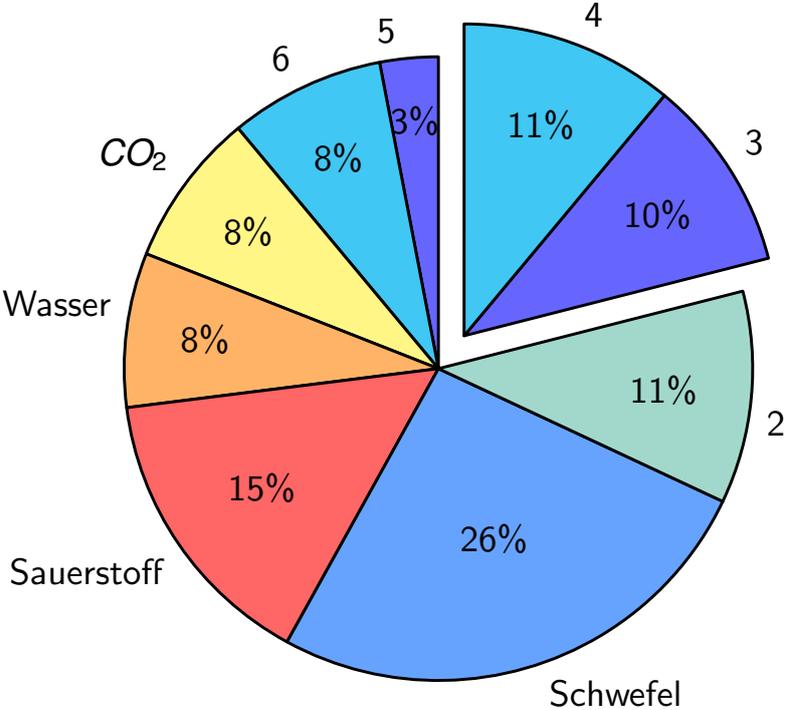


Figure 3.3: A typical pie chart

3.3.1 Pie Chart source code

That's the source for a stand alone pie chart.

```
\documentclass[margin=5mm]{standalone}
\usepackage{pgf-pie}
\usepackage[ngerman]{babel}
\renewcommand{\familydefault}{\sfdefault} %Helvetica als Standardschrift
\usepackage[helvet]{sfmath} %serifenfreie Schrift f\"ur Mathmode
\begin{document}
  \begin{tikzpicture}
    \pie[sum=100, rotate =90]
    {
      3/5,
      8/6,
      8/\textit{\$CO_{2}\$},
      8/Wasser,
      15/Sauerstoff,
      26/Schwefel,
      11/2
    }
    \begin{scope}[shift=(52.2:4mm)]
      \pie[sum=100, rotate =14.4]
      {
        10/3,
        11/4
      }
    \end{scope}
  \end{tikzpicture}
\end{document}
```

