

TUDa Thesis With Typst

Title German

Master thesis by Albert Author

Date of submission: October 04, 2023

1. Review: SuperSupervisor 1

2. Review: SuperSupervisor 2

Darmstadt



TECHNISCHE
UNIVERSITÄT
DARMSTADT

field of study:
Some Field of Study

Institute ABC



Contents

2	The First Chapter	1
2.1	Demo Paragraphs	2
2.2	Some Basic Elements	3
2.2.1	Figures	3
2.3	Test Coding	4
2.4	Lists	4
2.5	Let's do some math	5
2.5.1	Math in Latex	5
2.5.2	Ajust Equation spacing	6
2.6	Another Section	6
3	Colors	7
4	Glossary	9

2 The First Chapter

This is some example text that is not very long but needs to fill some space.

2.1 Demo Paragraphs

Here is some demo text. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aequaeque doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aequaeque doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguere possit, augeri amplificarique non possit. At etiam Athenis, ut e patre audiebam facere et urbane Stoicos irridere, statua est in quo a nobis philosophia defensa et collaudata est, cum id, quod maxime placeat, facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et aut officiis debitis aut rerum necessitatibus saepe eveniet, ut et.

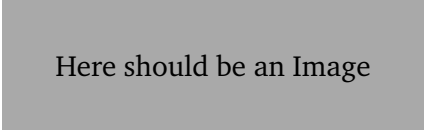
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aequaeque doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguere possit, augeri amplificarique non possit. At.

2.2 Some Basic Elements

This text contains two¹ footnotes².

2.2.1 Figures

The following Figure 1 represents a demo Figure.



Here should be an Image

Figure 2.1: The figure caption.

We can also make tables, as in Table 1.

A	B
1	2

Table 2.1: This is the table title.

The text continues normally after the Figures.

¹The number two can also be written as 2.

²This is a first footnote.
It has a second line.

2.3 Test Coding

Let's autogenerate some stuff:

- Element Nr. 0 has value 0



- Element Nr. 1 has value 2



- Element Nr. 2 has value 4



2.4 Lists

This is a list:

1. an item
2. another item

This is another list

- an item
- another item
- yet another item

2.5 Let's do some math

Bla *blub* **bold**. Math: $x + y^{\frac{a+b}{2}}$.

Align:

$$\begin{aligned} x + y^2 &\neq 27 \sum_{n=0}^N e^{i \cdot \pi \cdot n} \\ \text{s.t.} \quad &bc \\ \begin{pmatrix} 1 & 3 \\ 3 & 4 \end{pmatrix}^T &= \alpha \begin{pmatrix} x & y \\ x_2 & y_2 \end{pmatrix}^T \end{aligned} \tag{1}$$

$$\underbrace{\mathcal{B} \geq B}_{\text{This is fancy!}}$$

$$x = y^2 + 12 \text{ (This does A)} \tag{2}$$

$$y = z/2 = \frac{z}{2} \text{ (This does B)} \tag{3}$$

In Equation 3 we can see cool stuff.

2.5.1 Math in Latex

This is possible with the package `mitex`: You can include the package at the beginning of your document via `#import "@preview/mitex:0.1.0": *`. Usage:

<pre>mitex(` \begin{pmatrix} \dot{r}_x + \omega r_x - \omega p_x \ \ \ \dot{r}_x - \omega r_x + \omega p_x \end{pmatrix} = \begin{pmatrix} +\omega \xi_x - \omega p_x \ \ -\omega s_x + \omega p_x \end{pmatrix} `)</pre>	$\begin{pmatrix} \dot{r}_x + \omega r_x - \omega p_x \\ \dot{r}_x - \omega r_x + \omega p_x \end{pmatrix} = \begin{pmatrix} +\omega \xi_x - \omega p_x \\ -\omega s_x + \omega p_x \end{pmatrix}^4)$
---	--

2.5.2 Ajust Equation spacing

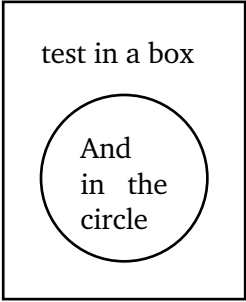
To reduce the spacing above and below block equations use:

```
#show math.equation: set block(spacing: 0.1em) // does not work!
```

With default spacing	With reduced spacing
This is Text. $x^2 = y^2$ This is Text.	This is Text. $x^2 = y^2$ This is Text.

2.6 Another Section

Some graphics:



Some more text here. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat. In Figure 2 we can see things.

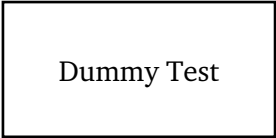


Figure 2.2: This is a figure

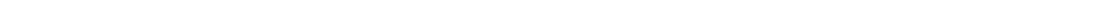
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aequaleamus animo,

cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguique possit, augeri amplificarique non possit. At etiam Athenis, ut e patre audiebam facete et urbane Stoicos irridente, statua est in quo a nobis philosophia defensa et collaudata est, cum id, quod maxime placeat, facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et.

3 Colors

The list of colors:

0d	0c	0b
0a	1a	2a
3a	4a	5a
6a	7a	8a
9a	10a	11a
1b	2b	3b
4b	5b	6b
7b	8b	9b
10b	11b	1c
2c	3c	4c
5c	6c	7c
8c	9c	10c
11c	1d	2d



3d

4d

5d

6d

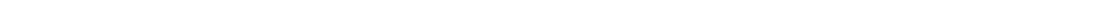
7d

8d

9d

10d

11d



4 Glossary

KDE Community: An international team developing and distributing Open Source software.

KU Leuven.

OIDC – OpenID Connect: OpenID is an open standard and decentralized authentication protocol promoted by the non-profit OpenID Foundation.

UNamur – Université de Namur.