Title of Thesis

Subtitle

Your Name

Delft University of Technology

TU Delft

Title of Thesis

Subtitle

by

Your Name

to obtain the degree of Master of Science
at the Delft University of Technology,
to be defended publicly on Friday October 03, 2025 at 10:00

Student number:	1234567	
Project duration:	Starting month and year – Ending month and year	
Daily supervisor:	Your Daily supervisor	
Thesis committee:	Supervisor 1	TU Delft, Supervisor
	Committee member 2	TU Delft
	Committee member 3	TU Delft.

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TU Delft

Preface

Abstract

Contents

1 Introduction

This chapter summarizes the extra features available in this template.

1.1 Packages included

When first importing this template (during `#import "@local/tudelft-thesis:0.1.0": *`) at the top of `main.typ`, several imports occur. These are:

- `wrap-it`, version `0.1.1`. The function here are used, and slightly modified for proper caption sizing.
- `equate`, version `0.3.1`. Is imported to enable multi-line equation numbering out of the box, and sets the defaults `show: equate.with(breakable: false, sub-numbering: false)`. For more information, please visit the documentation of `equate`.

In addition to these "included" imports, at the top of `main.typ`, the following packages are also imported:

```
// Physics-reltated tools for equations
#import "@preview/physica:0.9.4": *
// Specifying quantities and units
#import "@preview/unify:0.7.0": num, numrange, qty, qtyrange
// Formatting of uncertainties
#import "@preview/zero:0.4.0"
```

For more imformation on these packages, please consult their documentation.

1.2 Equations

Here follows a small overview of equation-related behaviour in this template.

For example, here is a new paragraph containing two aligned equations:

$$e^{\pi i} = -1 \tag{1.1}$$

$$(n+1)! = \int_0^\infty t^n e^{-t}\,\mathrm{d}t \tag{1.2}$$

Here Eq. (1.1) is Euler's formula, and Eq. (1.2) is Cauchy's formula for a factorial. Note that the ability to refer to them individually is via the `equate` package. Additionally, here is a single-lined equation:

$$a^2 + b^2 = c^2 \tag{1.3}$$

To specify quantities (with units) and uncertainties, please refer to the `unify` and `zero` packages.

1.3 Page layout

The page layout is set as A4, with margins of 25 mm. As an A4 page is 210 mm, wide, full-width figures should be at most 160 mm wide. Each page that is not the start of a chapter has a header, containing the current chapter name on the left in SMALLCAPS font, and your name on the right side of the header. The bottom of the page contains the page number, which uses lowercase roman numerals in the front matter, and arabic numerals for the main text.

1.4 Floating elements

Tables and images can be inserted into the document via the `#figure` function. Here follow some examples, which are Figure 1.1 and Figure 1.2. Please check out the source code of this text to understand how.

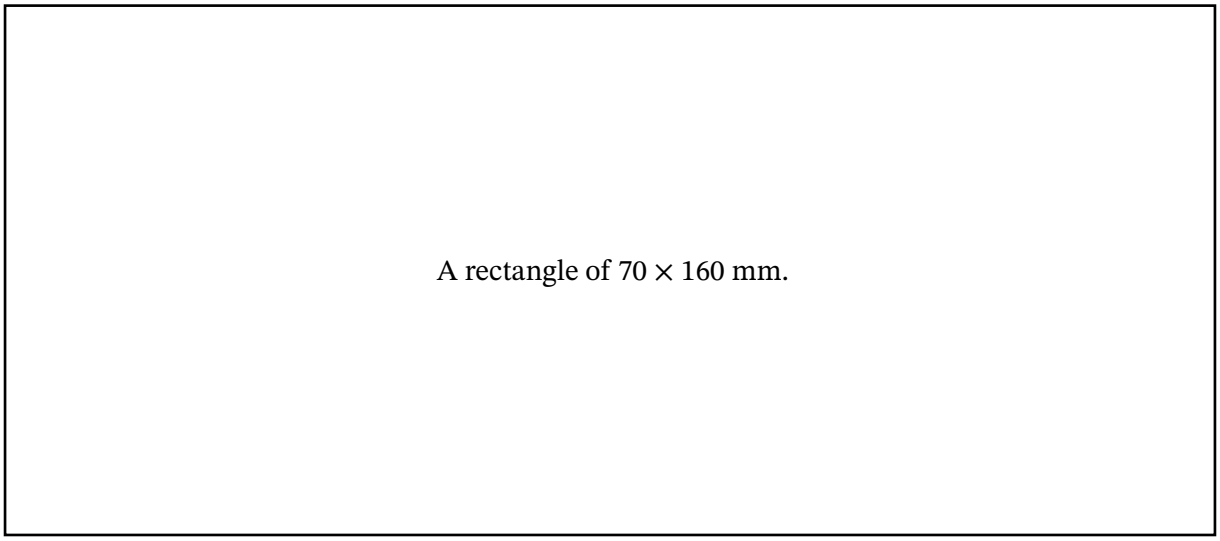

Figure 1.1: An example of a large figure. Full-width figures should be 160 mm wide.

For smaller figures, it is also possible wrap them within text. For example, Figure 1.2. Below, a small table can be found. Note the alignment of the decimal columns achieved via the `zero` package.

Figure 1.2: An example of a small figure. Illustration by karem adem on Unsplash.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aeque 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 distinguique possit, augeri amplificarique non possit. At.

Table 1.1: A small table.

A	B
1.0	2.0
10.0	0.35

1.5 Referencing stuff

Tables, Figures and Equations are numbered by section. When refering to one of these items, the number becomes green (color is customizable). For example, this is Section 1.5 and the afterwards we have Subsection 1.5.1. For figures, it is possible to attach an additional supplement to a figure, for example Figure 1.1 could have subpanels like Figure 1.1a, which you can specify via `@fig:label[a]`. References are formatted as [1]. Several references are joined according to [2–4].

1.5.1 Chemical formula

Here is a chemical formula: H_2O. This works via a simple function `#chem` which subscripts all numbers.

1.6 Fonts

The main font used in this template is `Stix Two Text`, `11pt`, with equations typeset using `STIX Two Math`. The large headings for title, subtitle and name on the cover and title pages are typeset using `Roboto`. The big numbers in chapter titles are typset using `Lora`. These fonts are included by default in the online typst editor, but should be installed when compiling locally. In addition, the main text and math fonts are customizable.

Full template example 2

Here follows a full example of how to use the template. This example is the same a what is specified in `main.typ` after initializing the template.

```
/* Imports: */
// Note: these imports need to repeated for every file used in the document.

// Main import of the template
// This import contains the wrap-it and equate packages by default.
#import "@local/tudelft-thesis:0.1.0": *

// Extra packages to your liking
// Physics-reltated tools for equations
#import "@preview/physica:0.9.4": *
// Specifying quantities and units
#import "@preview/unify:0.7.0": num, numrange, qty, qtyrange
// Formatting of uncertainties
#import "@preview/zero:0.4.0"


// Main styling, containg the majority of typesetting including document layout,
fonts, heading styling, figure styling, outline styling, etc. Some parts of the
styling are customizable.
#show: base.with(
  // These first two parameters are only used for the pdf metadata.
  title: "My document",
  name: "Your Name",
  // What is displayed at the top-right of the page. The top-left of the page
displays the current chapter.
  rightheader: "Your name",
  // Main and math fonts
  main-font: "Stix Two Text",
  math-font: "Stix Two Math",
  // Colors used for internal references (figures, equations, sections) and citations
  ref-color: olive,
  cite-color: blue,
)

/* Cover page */

#makecoverpage(
  // supply path to cover image
  img: image("img/cover-image.jpg"),
  // These arguments speak for themselves
  title: [Title of Thesis],
  subtitle: [Subtitle],
  name: [Your Name],
  // optional: change color to big box containing title, subtitle and name. Default
```

```
is full black with 50% opacity.
  // main_titlebox_fill: color.hsv(0deg, 0%, 0%, 50%)
)

/* Title page */

#maketitlepage(
  // These first arguments are self-explenatory
  title: [Title of Thesis],
  subtitle: [Subtitle],
  name: "Your Name",
  defense_date: datetime.today().display("[weekday] [month repr:long] [day], [year]")
+ " at 10:00",
  // These following arguments appear in a small table below the main title,
subtitle, author
  student_number: 1234567,
  project_duration: [Starting month and year - Ending month and year],
  daily_supervisor: [Your Daily supervisor],
  cover_description: [Photo by #link("https://unsplash.com/@thejoltjoker?utm_content=
creditCopyText&utm_medium=referral&utm_source=unsplash", "Johannes Andersson") on
#link("https://unsplash.com/photos/two-brown-deer-beside-trees-and-mountain-UCd78vfC8
vU?utm_content=creditCopyText&utm_medium=referral&utm_source=unsplash", "Unsplash").
  ],
  // Some more options of a publicity statement:
  // publicity-statement: [An electronic version of thesis is available at
#link("https://repository.tudelft.nl", [`https://repository.tudelft.nl`]).],
  // publicity-statement: smallcaps[This thesis is confidential and cannot be made
public.],
  publicity-statement: none,
  // The final set of arguments form the content of a table outlining all your
supervisors. You can add as little or many as you want.
  [Supervisor 1],
  [TU Delft, Supervisor],
  [Committee member 2],
  [TU Delft],
  [Committee member 3],
  [TU Delft.],
)

/* Remaining contents of front matter */

#heading(numbering: none, [Preface])

// Your preface here
// #lorem(250)



#heading(numbering: none, [Abstract])

// Your Abstract here
// #lorem(250)
```

```
#outline()

// After the front matter is complete, we switch page numbering from roman to arabic
numbering, and restart counting. The next chapter created afterwards starts on page
1.

#show: switch-page-numbering

#include "./sections/0default-template.typ" // Comment out this line when you start
writing
#include "./sections/1introduction.typ"
#include "./sections/2theory.typ"
#include "./sections/3methods.typ"
#include "./sections/4results.typ"
#include "./sections/5conclusion.typ"


#bibliography(
  "references.bib",
  title: [References],
  style: "american-physics-society",
)


#show: appendix

#include "./sections/6appendix.typ"
```

References

[1] K. Yamanaka, T. Tsuji, A. Noguchi, T. Koike, and T. Mihara, Nanoscale elasticity measurement with in situ tip shape estimation in atomic force microscopy, Review of Scientific Instruments **71**, 2403 (2000).

[2] R. Asmatulu and W. S. Khan, Characterization of electrospun nanofibers, Synthesis and Applications of Electrospun Nanofibers 257 (2019).

[3] G. Binnig, C. F. Quate, and C. Gerber, Atomic Force Microscope, Physical Review Letters **56**, 930 (1986).

[4] J. Boussinesq, *Application Des Potentiels À L'étude De L'équilibre Et Du Mouvement Des Solides Élastiques* (Gauthier-Villars, 1885).

The first Appendix

A

The second Appendix B