

Universitat d'Exemple
Facultat d'Exemple i Exemple

Master in Exemplated Examples and Examples of Examples
MASTER'S THESIS

Title first line
title second line
Víctor Villegas-Morral

Supervised by Supervisor
Month YYYY

LOGO 1

LOGO 2

Acknowledgements

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Abstract

In English.

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Resum

En català.

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Nomenclature

This section serves as a reference for the notation used throughout the text.

Symbol	Code	Description	Value
T_0	t0	Typical time scale	2 h
R_0	r0	Typical length scale	5 μm

Chapter 1

Introduction

This is the introduction (Villegas-Morral [2024](#)). The colour for each type of hyperlink can be tuned.

1.1 Cites and references

As seen in Villegas-Morral [2024](#), the colour orange is a mix of red and yellow (see Figure 1.1).



Figure 1.1: Orange. Adapted from Villegas-Morral [2024](#).

All the code developed for this project is available on my [personal GitHub](#) ¹. See the colour orange in Figure 1.1.

¹<https://github.com/villegas-morral/>

1.2 Text

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.

Chapter 2

A chapter with a very long title that wouldn't fit

This document uses Helvetica for the section and chapter titles, and Palatino for the text and equations (see `packages.tex`). Font size is set to 12pt, and line spacing to 1.2pt.

2.1 The first section

2.1.1 The first subsection

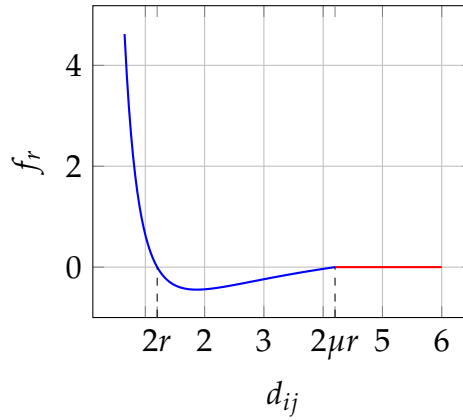
Proposition 1. *Definitions, propositions, and more theorem environments are defined in `macros.tex`.*

- *The default bullet point for `itemize` is changed to this one.*
- *Code is written using the command `\code{}`.*

We can plot functions using L^AT_EX, as shown in Figure 2.1.

Recall that the example function f_r is given by the following expression,

$$f_r = \begin{cases} \frac{a}{b} \alpha_{\text{sub}} & \text{if } a < c \\ ab\sqrt{a+c} & \text{if } a \geq c \\ 0 & \text{otherwise.} \end{cases} \quad (2.1)$$

Figure 2.1: Example function f_r .

2.1.2 The second subsection

Nesting in enumerate:

1. First.
 - i. First first.
 - ii. Second first.
2. Second.

We can recall an equation while keeping the numbering. If there is a space between the text and the text and the equation environment, the space between these will increase because the equation will be assumed to be a separate paragraph. Keep this in mind to ensure consistency.

$$f_r = \begin{cases} \frac{a}{b} \alpha_{\text{sub}} & \text{if } a < c \\ ab\sqrt{a+c} & \text{if } a \geq c \\ 0 & \text{otherwise.} \end{cases} \quad (2.1)$$

If there is a space between the text and the text and the equation environment, the space between these will increase because the equation will be assumed to be a separate paragraph. Keep this in mind to ensure consistency.

$$f_r = \begin{cases} \frac{a}{b} \alpha_{\text{sub}} & \text{if } a < c \\ ab\sqrt{a+c} & \text{if } a \geq c \\ 0 & \text{otherwise.} \end{cases} \quad (2.1)$$

This is a custom environment for red boxes.

We can also use margin notes.

like this

like this

Chapter 3

Conclusions and further work

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Appendix

A.1 First appendix section

Note that in the appendix the numbering of sections uses an A.

A.2 First appendix section

Proposition (Proposition 1). *We can create unnumbered propositions and add titles in brackets.*

Proof. This is an example of a proof.

□

References

Villegas-Morral, Víctor (2024). “LaTeX template”. In: *Example journal*.