## YOUR NAME

## YOUR TITLE

## YOUR TITLE IN ANOTHER RELEVANT LANGUAGE

## SEU NOME

## SEU TÍTULO

## **S**EU TÍTULO EM INGLÊS

Versão original da tese apresentada ao <instituto em questão> da <universidade em questão> para obtenção do título de Doutor em Ciências, na <aárea em questão>

Orientador: Prof. Dr.

São Paulo 2015

## Ficha catalográfica

Sobrenome, Nome Título em português

Número de páginas: 10 páginas

Tese (Doutorado) - <instituto em questão> da < universidade em questão>. <departamento em questão>.

1. Primeira palavra-chave 2. Segunda palavra-chave 3. Terceira palavra-chave. I. <universidade em questão>. <instituto em questão>. <departamento em questão>.

## Comissão Julgadora:

Prof. Dr.	Prof. Dr.	
Prof. Dr.	Prof. Dr.	
Prof. Dr.		
(Orientador)		

## **Foreword**

This is a sample of the LaTeX template which was used on my graduate dissertation. It is heavily based on The Legrand Orange Book template created by Mathias Legrand and modified by Vel. The original template was downloaded from http://www.latextemplates.com/template/the-legrand-orange-book and subsequently modified to suit my personal taste and needs. The format and style do not follow the guidelines of any particular university.

In this sample, I will outline the main features of this template and point out some missing features (Chapter 1), exemplify how it can be used when the dissertation chapter corresponds to a research article (Chapter 2) and outline additional features of the Legrand template which are still available in the current template, but may be less applicable to dissertations (Chapter 3). This sample, however, should NOT be taken as the template documentation! Most information required to use the template is writen on the "thesis.tex" and "structure.tex" files.

Ayana B. Martins

## **Agradecimentos**

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

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.

### Resumo

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

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.

## **Abstract**

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

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.

# Sumário

1	Regular chapter	1
1.1	Mini table of content in chapter header	1
1.2	Sections	1
1.2.1	Subsections	1
1.3	Using citations	1
1.4	Using figures	2
1.5	Using tables	2
1.6	Using boxes	3
1.7	Using footnotes	3
2	Research article	5
2.1	Specific introduction topic	5
2.2	ETC.	6
3	Additional elements from the Legrand orange Book	7
3.1	Theorems	7
3.1.1	Several equations	
3.1.2	Single Line	
3.2	Definitions	7
3.3	Notations	8
3.4	Remarks	8
3.5	Corollaries	8
3.6	Propositions	8
3.6.1 3.6.2	Several equations	
3.7	Examples	9
3.7.1 3.7.2	Equation and Text	
3.8	Exercises	9
3.9	Problems	9

- 1	`
	х

9

### 3.10 Vocabulary

Mini table of content in chapter header
Sections
Subsections
Using citations
Using figures
Using boxes
Using footnotes

1 — Regular chapter

#### 1.1 Mini table of content in chapter header

This template includes a small TOC in each chapter. Note that it is NOT formatted so that the content automatically fits in the box (see chapter 3).

#### 1.2 Sections

#### 1.2.1 Subsections

#### List of items with text:

Here you can write something about this topic.

Indentation must be forced if there is a second paragraph within an item.

#### • Another item:

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

#### 1.3 Using citations

This template uses the package biblatex (https://www.ctan.org/pkg/biblatex) for reference management. Please mind the compilation instructions in the main file ("thesis.tex").

1.4 Using figures 2

# Placeholder

# Image

Figura 1.1: Regular figure caption

Placeholder

Image

Figura 1.2: Caption may appear on the side of floats.

A statement may be followed by single (I love natural selection (DARWIN 1859)) or multiple citations (We love natural selection (DARWIN e WALLACE 1858; DARWIN 1859)).

References may also appear within a sentence: "We thank LEGRAND (2013) for much of this template".

Biblatex allows easy customization of parenthetical citations:

- (DARWIN 1859, p. 180).
- (revisão em DARWIN 1859).
- (ver DARWIN 1859, p. 180).

#### 1.4 Using figures

The structure.tex file calls the package sidecap (http://www.ctan.org/tex-archive/macros/latex/contrib/sidecap) which allows captions to be typeset sideways. The graphic path is defined as "Images/" in this same file.

#### 1.5 Using tables

The structure.tex file calls the package tabularx (https://www.ctan.org/pkg/tabularx) that allows more flexibility in choosing column widths.

1.6 Using boxes 3

Tabela 1.1: Table caption

	A	В	C	D	E	F	G	Н	I	J
A	7.73/ 5.76	7.04	7.60	10.33	11.05	14.50	13.17	17.00	17.36	15.78
В	6.58	6.68/ 6.60	7.20	10.16	11.41	14.94	13.58	17.43	18.16	16.04
C	8.86	8.92	7.16/ 6.40	10.03	10.46	13.80	12.70	15.64	16.99	14.57
D	9.52	9.44	6.94	10.43/ 6.07	10.93	14.81	13.00	14.80	16.00	15.04
E	10.16	10.52	8.50	7.18	10.76/ 6.02	14.57	12.10	14.34	16.95	14.93
F	12.56	13.44	11.42	9.78	7.90	13.33/ 5.80	12.42	14.10	17.00	15.08
G	13.34	14.62	12.24	10.88	8.98	5.14	12.27/ 3.93	13.00	16.44	14.67
Н	16.74	17.54	14.64	13.50	10.86	7.60	6.64	10.60/ 5.67	14.21	13.17
I	16.74	17.30	14.98	13.82	10.98	8.10	7.18	5.98	13.64/ 5.31	14.52
J	17.36	8.20	16.54	16.38	14.10	10.46	8.86	8.18	7.46	13.40/ 6.47

#### 1.6 Using boxes

The "clearinfobox" environment can be used to highlight relevant information. Additionally, this template includes all in-text elements from the Legrand Orange Book (see chapter 3). The word "Quadro" appearing in the box does not change automatically when the document language is changed.

#### Quadro 1.1 — Box title.

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

#### 1.7 Using footnotes

There are two types of footnotes:

- Short footnotes which appear in the same page <sup>1</sup>.
- Longer footnotes which will appear in a separate page at the end of the document and are identified by a letter<sup>2a</sup>.

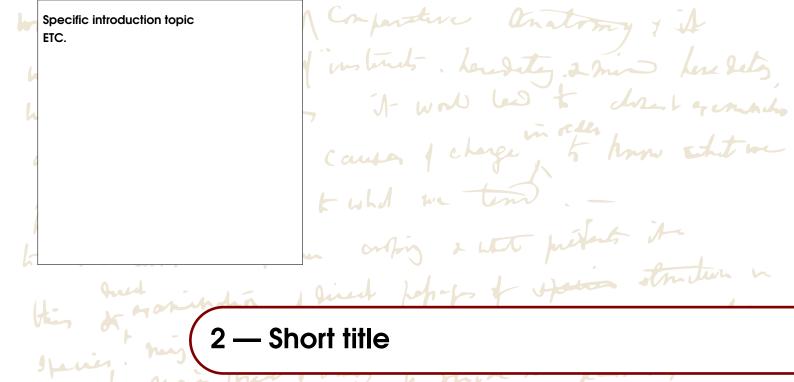
When there is more than one long footnote in the same page (yes, I do love footnotes) the first one should be labeled and the additional footnotes should carry the samel label so that they only differ in the letter <sup>2b</sup>.

#### Referências

- C. DARWIN. (1859) On the origin of species. The Eletronic Classic Series Hazleton. (ver p. 2)
- C. DARWIN e A. WALLACE. (1858) On the Tendency of Species to form Varieties; and on the Perpetuation of Varieties and Species by Natural Means of Selection. *Zoological Journal of the Linnean Society*, **3**:45–62. (ver p. 2)
- M. LEGRAND The Legrand Orange Book 2013 (ver p. 2)

<sup>&</sup>lt;sup>1</sup>This is a short footnote

 $<sup>^2</sup>$  Ver página 10



#### **Título**

O conteúdo deste capítulo foi publicado no artigo: Autores. ANO. "Título do artigo". Revista, volume, páginas. doi.

#### Resumo

Resumo de capítulo/artigo.

#### 2.1 Specific introduction topic

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt

2.2 ETC. 6

urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

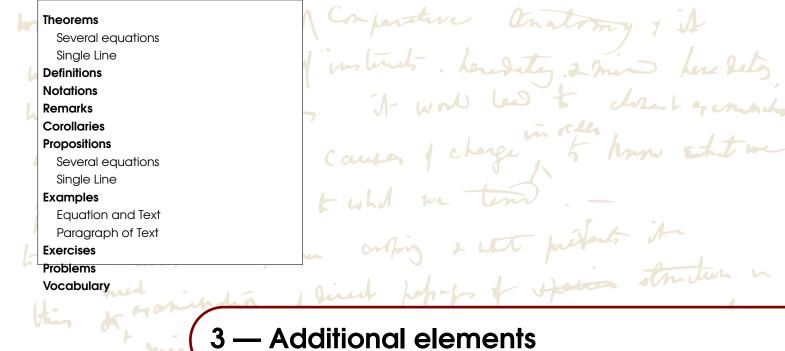
Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas 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.

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi. Aenean placerat. Ut imperdiet, enim sed gravida sollicitudin, felis odio placerat quam, ac pulvinar elit purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis tortor vitae risus porta vehicula.

Fusce mauris. Vestibulum luctus nibh at lectus. Sed bibendum, nulla a faucibus semper, leo velit ultricies tellus, ac venenatis arcu wisi vel nisl. Vestibulum diam. Aliquam pellentesque, augue quis sagittis posuere, turpis lacus congue quam, in hendrerit risus eros eget felis. Maecenas eget erat in sapien mattis porttitor. Vestibulum porttitor. Nulla facilisi. Sed a turpis eu lacus commodo facilisis. Morbi fringilla, wisi in dignissim interdum, justo lectus sagittis dui, et vehicula libero dui cursus dui. Mauris tempor ligula sed lacus. Duis cursus enim ut augue. Cras ac magna. Cras nulla. Nulla egestas. Curabitur a leo. Quisque egestas wisi eget nunc. Nam feugiat lacus vel est. Curabitur consectetuer.

Suspendisse vel felis. Ut lorem lorem, interdum eu, tincidunt sit amet, laoreet vitae, arcu. Aenean faucibus pede eu ante. Praesent enim elit, rutrum at, molestie non, nonummy vel, nisl. Ut lectus eros, malesuada sit amet, fermentum eu, sodales cursus, magna. Donec eu purus. Quisque vehicula, urna sed ultricies auctor, pede lorem egestas dui, et convallis elit erat sed nulla. Donec luctus. Curabitur et nunc. Aliquam dolor odio, commodo pretium, ultricies non, pharetra in, velit. Integer arcu est, nonummy in, fermentum faucibus, egestas vel, odio.

#### 2.2 ETC.



#### 3.1 Theorems

This is an example of theorems.

#### 3.1.1 Several equations

This is a theorem consisting of several equations.

**Theorem 3.1.1 — Name of the theorem.** In  $E = \mathbb{R}^n$  all norms are equivalent. It has the properties:

$$|||\mathbf{x}|| - ||\mathbf{y}||| \le ||\mathbf{x} - \mathbf{y}|| \tag{3.1}$$

$$\left|\left|\sum_{i=1}^{n} \mathbf{x}_{i}\right|\right| \leq \sum_{i=1}^{n} \left|\left|\mathbf{x}_{i}\right|\right| \quad \text{where } n \text{ is a finite integer}$$
(3.2)

#### 3.1.2 Single Line

This is a theorem consisting of just one line.

**Theorem 3.1.2** A set  $\mathcal{D}(G)$  in dense in  $L^2(G)$ ,  $|\cdot|_0$ .

#### 3.2 Definitions

This is an example of a definition. A definition could be mathematical or it could define a concept.

**Definition 3.2.1** — **Definition name**. Given a vector space E, a norm on E is an application,

3.3 Notations 8

denoted  $||\cdot||$ , E in  $\mathbb{R}^+ = [0, +\infty[$  such that:

$$||\mathbf{x}|| = 0 \Rightarrow \mathbf{x} = \mathbf{0} \tag{3.3}$$

$$||\lambda \mathbf{x}|| = |\lambda| \cdot ||\mathbf{x}|| \tag{3.4}$$

$$||x + y|| \le ||x|| + ||y|| \tag{3.5}$$

#### 3.3 Notations

**Notation 3.1.** Given an open subset G of  $\mathbb{R}^n$ , the set of functions  $\varphi$  are:

- 1. Bounded support G;
- 2. Infinitely differentiable;

a vector space is denoted by  $\mathcal{D}(G)$ .

#### 3.4 Remarks

This is an example of a remark.



The concepts presented here are now in conventional employment in mathematics. Vector spaces are taken over the field  $\mathbb{K}=\mathbb{R}$ , however, established properties are easily extended to  $\mathbb{K}=\mathbb{C}$ .

#### 3.5 Corollaries

This is an example of a corollary.

**Corollary 3.5.1 — Corollary name.** The concepts presented here are now in conventional employment in mathematics. Vector spaces are taken over the field  $\mathbb{K} = \mathbb{R}$ , however, established properties are easily extended to  $\mathbb{K} = \mathbb{C}$ .

#### 3.6 Propositions

This is an example of propositions.

#### 3.6.1 Several equations

**Proposition 3.6.1 — Proposition name.** It has the properties:

$$|||\mathbf{x}|| - ||\mathbf{y}||| \le ||\mathbf{x} - \mathbf{y}|| \tag{3.6}$$

$$\left|\left|\sum_{i=1}^{n} \mathbf{x}_{i}\right|\right| \leq \sum_{i=1}^{n} \left|\left|\mathbf{x}_{i}\right|\right| \quad \text{where } n \text{ is a finite integer}$$
(3.7)

#### 3.6.2 Single Line

**Proposition 3.6.2** Let  $f,g \in L^2(G)$ ; if  $\forall \varphi \in \mathcal{D}(G)$ ,  $(f,\varphi)_0 = (g,\varphi)_0$  then f = g.

3.7 Examples 9

#### 3.7 Examples

This is an example of examples.

#### 3.7.1 Equation and Text

**Example 3.1** Let  $G = \{x \in \mathbb{R}^2 : |x| < 3\}$  and denoted by:  $x^0 = (1,1)$ ; consider the function:

$$f(x) = \begin{cases} e^{|x|} & \text{si } |x - x^0| \le 1/2\\ 0 & \text{si } |x - x^0| > 1/2 \end{cases}$$
 (3.8)

The function f has bounded support, we can take  $A = \{x \in \mathbb{R}^2 : |x - x^0| \le 1/2 + \varepsilon\}$  for all  $\varepsilon \in ]0; 5/2 - \sqrt{2}[$ .

#### 3.7.2 Paragraph of Text

■ Example 3.2 — Example name. Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

3.8 Exercises

This is an example of an exercise.

**Exercise 3.1** This is a good place to ask a question to test learning progress or further cement ideas into students' minds.

#### 3.9 Problems

**Problem 3.1** What is the average airspeed velocity of an unladen swallow?

#### 3.10 Vocabulary

Define a word to improve a students' vocabulary.

**Vocabulary 3.1 — Word.** Definition of word.

# Notas finais

- [a] Explanation that will appear in a separate page.
- [b] More info!!