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SEU NOME

SEU TÍTULO

SEU 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 <área 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>. <departa-
mento 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 written on the “thesis.tex” and “structure.tex” files.

Ayana B. Martins

Agradecimentos

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Resumo

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Abstract

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Mini table of content in chapter header

Sections

Subsections

Using citations

Using figures

Using tables

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, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur 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”).

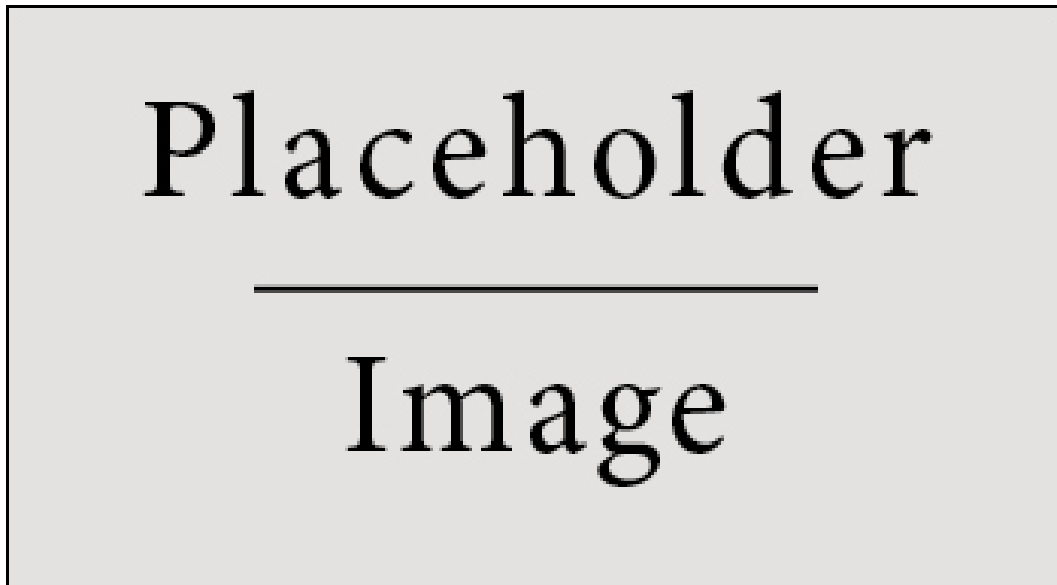


Figura 1.1: Regular figure caption

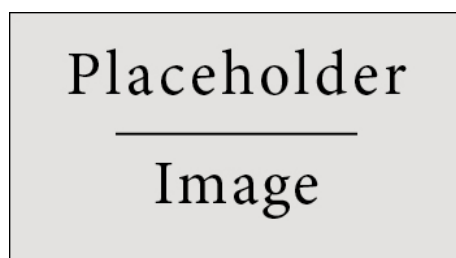


Figura 1.2: Caption may appear on the side of floats.

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.

Tabela 1.1: Table caption

	A	B	C	D	E	F	G	H	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
B	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
H	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.

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1.7 Using footnotes

There are two types of footnotes:

- Short footnotes which appear in the same page ¹.
- Longer footnotes which will appear in a separate page at the end of the document and are identified by a letter^{2a}.

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 same label so that they only differ in the letter ^{2b}.

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)

¹This is a short footnote

² Ver página 10

Specific introduction topic
ETC.

Comparative Anatomy, it
of instincts. heredity. 2 min heredity,
It would lead to direct & immediate
causes of change in order to know what we
to what we tend. —
in order to what prevents it
this of organization, direct help of species structure in
species. may be main thing to do, to guide the process.

2 — Short title

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

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2.2 ETC.

Theorems

Several equations

Single Line

Definitions

Notations

Remarks

Corollaries

Propositions

Several equations

Single Line

Examples

Equation and Text

Paragraph of Text

Exercises

Problems

Vocabulary

3 — Additional elements

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:

$$||\mathbf{x}|| - ||\mathbf{y}|| \leq ||\mathbf{x} - \mathbf{y}|| \quad (3.1)$$

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

3.1.2 Single Line

This is a theorem consisting of just one line.

Theorem 3.1.2 A set $\mathcal{D}(G)$ is 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,

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

$$\|\mathbf{x}\| = 0 \Rightarrow \mathbf{x} = \mathbf{0} \quad (3.3)$$

$$\|\lambda \mathbf{x}\| = |\lambda| \cdot \|\mathbf{x}\| \quad (3.4)$$

$$\|\mathbf{x} + \mathbf{y}\| \leq \|\mathbf{x}\| + \|\mathbf{y}\| \quad (3.5)$$

3.3 Notations

Notation 3.1. Given an open subset G of \mathbb{R}^n , the set of functions φ 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.

N 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:

$$||\mathbf{x}\| - \|\mathbf{y}\|| \leq \|\mathbf{x} - \mathbf{y}\| \quad (3.6)$$

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

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

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:

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

The function f has bounded support, we can take $A = \{x \in \mathbb{R}^2 : |x - x^0| \leq 1/2 + \varepsilon\}$ 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!!