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Master of Science

A Very Long and Impressive Thesis Title with a Forced Line Break

Thesis submitted in partial fulfillment of the requirements for the degree of

Doctor of Philosophy in < Scientific Field of Study>

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ACKNOWLEDGEMENTS

The acknowledgements. You are free to write this section at your own will. However, usually it starts with the institutional acknowledgements (adviser, institution, grants, workmates, ...) and then comes the personal acknowledgements (friends, family, ...).

"You cannot teach a man anything; you can only help him discover it in himself." (Galileo)

ABSTRACT

The dissertation must contain two versions of the abstract, one in the same language as the main text, another in a different language. The package assumes that the two languages under consideration are always Portuguese and English.

The package will sort the abstracts in the appropriate order. This means that the first abstract will be in the same language as the main text, followed by the abstract in the other language, and then followed by the main text. For example, if the dissertation is written in Portuguese, first will come the summary in Portuguese and then in English, followed by the main text in Portuguese. If the dissertation is written in English, first will come the summary in English and then in Portuguese, followed by the main text in English.

The abstract shoul not exceed one page and should answer the following questions:

- What's the problem?
- Why is it interesting?
- What's the solution?
- What follows from the solution?

Keywords: Keyword 1, Keyword 2, Keyword 3, ...

RESUMO

Independentemente da língua em que está escrita a dissertação, é necessário um resumo na língua do texto principal e um resumo noutra língua. Assume-se que as duas línguas em questão serão sempre o Português e o Inglês.

O template colocará automaticamente em primeiro lugar o resumo na língua do texto principal e depois o resumo na outra língua. Por exemplo, se a dissertação está escrita em Português, primeiro aparecerá o resumo em Português, depois em Inglês, seguido do texto principal em Português. Se a dissertação está escrita em Inglês, primeiro aparecerá o resumo em Inglês, depois em Português, seguido do texto principal em Inglês.

O resumo não deve exceder uma página e deve responder às seguintes questões:

- Qual é o problema?
- Porque é que ele é interessante?
- Qual é a solução?
- O que resulta (implicações) da solução?

E agora vamos fazer um teste com uma quebra de linha no hífen a ver se a LATEX duplica o hífen na linha seguinte...

Palavras-chave: Palavra-chave 1, Palavra-chave 2, Palavra-chave 3, ...

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GLOSSARY

computer

An electronic device which is capable of receiving information (data) in a particular form and of performing a sequence of operations in accordance with a predetermined but variable set of procedural instructions (program) to produce a result in the form of information or signals. Teste de citação [2]

9

ACRONYMS

aaa	acornym aaa	9
aab	acornym aab	9
aba	acornym aba	9
abbrev	abbreviation of a longer text	9
bbb	acornym bbb	9
NOVAthesis	NOVAthesis LaTeX template	3, 4, 5
novathesis.cls	novathesis.cls class	3, 4, 5,
		6
xpto	and extension of a xpto xpto xpto xpto xpto xpto xpto xpto	9

Symbols

π	the numerical value of pi	9
r	the radius of a circle	Ç

Снартек

Introduction

C H A P T E R

THESIS DIFCTNL USER'S MANUAL

2.1 Introduction

This chapter describes how to use the NOVAthesis and the novathesis.cls file. Let's start with some simple suggestions: [6, 10].

- 1. No! You don't have to use this template to write your thesis. You don't even have to use LATEX. However, writing a thesis is serious stuff, and which tool you shall use to write it is not a decision to make lighthearted.
- 2. LATEX is hard enough by itself. This template aims at making your life easier, but not easy. If you choose to use this template to write your thesis, you are very welcome. However, don't expect me to provide you help with LATEX. Look for help with your friends (you have some friends, don't you?), or search the web, or try even to read some book(s) on LATEX. In the end you will certainly find the experience rewarding.
- 3. So, don't forget, when you come to the point of "How do I do this with LaTeX?" look for help! Google is your best friend.
- 4. If you believe the difficulty is related with the NOVAthesis template itself (and not with LATeX), please **do not** send me an email asking for help. Please look for help in the NOVAthesis Google Group (URL) and the NOVAthesis Facebook group (URL). If you can't find help there from previous posts/messages, then post your own question. Hopefully someone will answer you.

Now, let's go to a major issue for Windows users. Characters have to be encoded in files as numbers, and that is how character encodings were born. ASCII and EBCDIC standards are long lost in the past. The world now uses UTF-8. Well, not all the world... Windows is still stick in its *codepages*, and "latin1" is what windows uses as the codepage for Western Europe. This messes up with the template. Please be sure you use an editor with UTF-8 support. *Go to the preferences/options/... of your text editor and set up its default file encoding as UTF-8*.

2.2 Folder Structure

The NOVAthesis template is organized into files and folders. At the main level it includes the following files and folders:

10 / 01 10 11101010100 0110 1	31101112	, 11100 4114 1014010.
novathesis.cls	file	The main class file. It will include additional
		files from NOVAthesisFiles folder.
template.tex	file	The main user file. Use this file as the main
		file for your thesis.
bibliography.bib	file	An example of a bibliography file. You may
		have has many as you want.
template.pdf	file	A possible result of applying pdfLATEX to
		the template.tex file. The template sup-
		ports multiple types of documents (e.g., MSc
		dissertation, PhD thesis,) and multiple
		Schools (e.g., FCT-NOVA, FCSH-NOVA, IST-
		UL, FC-UL,) and each will produce differ-
		ent results.
Chapters	folder	Examples of thesis chapters. Replace them
		with your own chapters.
Examples	folder	Some more examples of the use of the
		template for different document types and
		Schools.
Scripts	folder	Some (possibly useful) scripts for Unix-based
		systems (Linux, Mac OSx). If you are a win-
		dows user, ignore this folder (you may safely
		delete it if you want).
NOVAthesisFiles	folder	Additional files for the novathesis.cls file.
		Unless you know what you are doing, avoid
		messing up with the files and folders inside
		this folder (except for deleting the unused
		Schools, see below).

The NOVAthesisFiles folder contains additional files and folders that complement the main novathesis.cls file. These are:

README.txt	file	A file that should be read! :)
fix-babel.tex	file	Simple fixes to the babel package.
lang-text.ldf	file	Translations of important strings used in the
		template. Currently fully supported are Por-
		tuguese and English, but French is on the way.
		If you add translations for your own language,
		please be so kind and send them to me. Thank
		you!
options.tex	file	Processing of novathesis.cls options. <i>Don't mess with this!</i>
packages.tex	file	Additional packages to be loaded into the NO-
		VAthesis template. You should not mess with this!
spine.tex	file	This file is loaded only if the option spine=true,
		and includes the typesetting of the book spine.
ChapStyles	folder	Contains a lot of files, one for each chapter style.
		If you really know what you are doing, you may
		add your own chapter style here.
FontStyles	folder	Contains a few files, one for each set of fonts
		(main text font, chapter font, section font, sub-
		section font, etc). If you really know what you
		are doing, you may add your own set here.
Schools	folder	Configuration files for each school. This folder
		is organized into subfolders, one for each uni-
		versity. You may safely delete all the subfolders ex-
		cept the one for your University. Then open the
		subfolder of your University and you may safely
		delete all the subfolders except the one for your
		School/Faculty.

As stated above, the Schools folder contains per-university folders and per-school (faculty) subfolders. Currently these are the available folders:

ul/ist	folder	The folder for the <i>Instituto Superior Técnico</i> of the
		University of Lisbon.
nova / fcsh	folder	The folder for the Faculty of Human and Social
		Sciences of the NOVA University of Lisbon.
nova / fct	folder	The folder for the Faculty of Sciences and Technol-
		ogy of the NOVA University of Lisbon.
nova / novaims	folder	The folder for the Information and Management
		School of the NOVA University of Lisbon.

2.3 novathesis.cls Class Options

The novathesis.cls can be customized with the options listed below.

docdegree=OPT phd(*), phdplan, phdprop, msc, mscplan, bsc

The type of the document: PhD Thesis (default), PhD Plan, PhD Proposal, MSc Disseration, MSc Plan, BSc Report

school=OPT nova/fct(*), nova/fcsh, nova/ims, ul/ist, ul/fc

The name of the school. This option changes the typesetting of the cover and some School specific formating, like margins, fonts, paragraph spacing and indentation, etc...

lang=OPT en(*), pt

The main language for the document. Currently only Portuguese and English are supported. Other languages are expected to be support in forthcoming versions.

fontstyle=OPT bookman, charter, fourier, kpfonts(*), mathpazo1, mathpazo2, newcent

The font set to be used in the document. Please note that a font set include definitions for the main text, headings, maths, etc.

chapstyle=OPT bianchi, bluebox, brotherton, dash, default, elegant(*), ell, ger, hansen, ist, jenor, lyhne, madsen, pedersen, veelo, vz14, vz34, vz43 *The chapter style, i.e., the look of the chapter beginning.*

converlang=OPT en, pt(*)

The language to be used when typesetting the cover page.

otherlistsat=OPT front(*), back

Where to put the other lists besides the table of contents. The default is (front) before the main text. But some scientific areas prefer them at the end of the document (back), just before the Appendixes.

aftercover=OPT true, false(*)

Include or don't include the contents of the "aftercover" file. The default is for this file to be ignored (if if it exists).

linkscolor=OPT darkblue(*), black

The color for all the hyperlinks in the PDF file. The "media=paper" option (see below) will override this option to "black"

spine=OPT true, false(*)

Generate the book spine and the last page in the PDF.

biblatex=OPT OPT={list of options for biblatex}

Customize biblatex, the bibliography management system used in this class. Probably you will want to change the value of the biblatex "style" option. For other customizations of biblatex check its manual.

memoir=OPT OPT={list of options for memoir}

Customize the base class memoir. The memoir manual should be the first document to be consulted when looking for "how can I do this?" You may wnat to change the base font size from 11pt to a smaller (10pt) or larger (12pt) size. Also, remember to change the "draft" to final when your document is finished.

media=OPT screen(*), paper

Behavior to be customized in the school options/configuration. Expected definitions for screen are: left and right margins are equal and use colored links. Expected definitions for paper are: left and right margins are different and use black links.

2.4 Additional considerations about the class options

In this section we will provide some additional considerations about some of the customizations available as class options.

2.4.1 The main language

The choice of the main language with the option "lang=OPT" affects:

- The order of the summaries. First is printed the abstract in the main language and then in the foreign language. This means that if your main language for the document in English, you will see first the "abstract" (in English) and then the "resumo" (in Portuguese). If you switch the main language for the document for Portuguese, it will also automatically switch the order of the summaries to "resumo" and then "abstract".
- The names for document sectioning. E.g., "Chapter" vs. "Capítulo", "Table of Contents" vs. "Índice", "Figure" vs. "Figura", etc.
- The type of documents in the bibliogrpahy. E.g., "Technical Report" vs. "Relatório Técnico", "PhD Thesis" vs. "Tese de Doutoramento", etc.

No mater which language you chose, you will always have the appropriate hyphenation rules according to the language at that point. You always get Portuguese hyphenation rules in the "Resumo", english hyphenation rules in the "Abstract", and then the main language hyphenation rules for the rest of the document.

2.4.2 Class of Text

You must choose the class of text for the document. The available options are:

- 1. **bsc** BSc graduation report.
- 2. *mscplan Preparation of MSc dissertation. This is a preliminary report graduate students at DI-FCT-NOVA must prepare to conclude the first semester of the two-semesters MSc work. The files specified by \ntdedicatoryfile and \acknowledgmentsfile are ignored, even if present, for this class of document.
- 3. **msc** MSc dissertation.
- 4. **phdprop** Proposal for a PhD work. The files specified by \ntdedicatoryfile and \acknowledgmentsfile are ignored, even if present, for this class of document.
- 5. **prepphd** Preparation of a PhD thesis. This is a preliminary report PhD students at DI-FCT-NOVA must prepare before the end of the third semester of PhD work. The files specified by \ntdedicatoryfile and \acknowledgmentsfile are ignored, even if present, for this class of document.
- 6. **phd** PhD dissertation.

2.4.3 Printing

You must choose how your document will be printed. The available options are:

- 1. **oneside** Single side page printing.
- 2. *twoside Double sided page printing.

2.4.4 Font Size

You must select the encoding for your text. The available options are:

- 1. **11pt** Eleven (11) points font size.
- 2. *12pt Twelve (12) points font size. You should really stick to 12pt...

2.4.5 Text Encoding

You must choose the font size for your document. The available options are:

- 1. **latin1** Use Latin-1 (ISO 8859-1) encoding. Most probably you should use this option if you use Windows;
- 2. **utf8** Use UTF8 encoding. Most probably you should use this option if you are not using Windows.

2.4.6 Examples

Let's have a look at a couple of examples:

- Preparation of PhD thesis, in portuguese, with 11pt size and to be printed single sided (I wonder why one would do this!)
 \documentclass[prepphd,pt,11pt,oneside,latin1]{thesisdifct-nova}
- MSc dissertation, in english, with 12pt size and to be printed double sided

\documentclass[msc,en,12pt,twoside,utf8]{thesisdifct-nova}

2.5 How to Write Using LATEX

Please have a look at Chapter 3, where you may find many examples of LATEX constructs, such as Sectioning, inserting Figures and Tables, writing Equations, Theorems and algorithms, exhibit code listings, etc.

2.6 Example glossary, acronyms, and symbols

This is the first occurrence of an abbreviation: abbrev. And now the second occurrence of the same abbreviation: abbrev. And a new acronym with capital letter: Xpto and reused xpto. Let's also use a few other acronyms such as aaa, aab, aba, bbb and xpto. In geometry, the area enclosed by a circle of radius r is πr^2 . Here the Greek letter π is equal to the ratio of the circumference of any circle to its diameter. Lets add "computer" to the glossary!



A SHORT LATEX TUTORIAL WITH EXAMPLES

This Chapter aims at exemplifying how to do common stuff with LATEX. We also show some stuff which is not that common! ;)

Please, use these examples as a starting point, but you should always consider using the *Big Oracle* (aka, Google, your best friend) to search for additional information or al-ternative ways for achieving similar results.

- 3.1 Document Structure
- 3.2 Dealing with Bibliogrpahy
- 3.3 Inserting Tables
- 3.4 Importing Images

3.5 Floats, Figures and Captions

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.

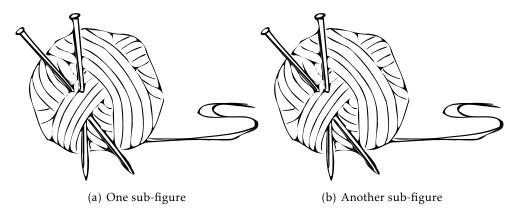


Figure 3.1: A figure with two sub-figures!

And this is a small text that references the Figure 3.1 and its Subfigures 3.1(a) and 3.1(b).

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.

3.6 Text Formatting

3.7 Generating PDFs from LaTeX

3.7.1 Generating PDFs with pdflatex

You may create PDF files either by using latex to generate a DVI file, and then use one of the many DVI-2-PDF converters, such as dvipdfm.

Alternatively, you may use pdflatex, which will immediately generate a PDF with no intermediate DVI or PS files. In some systems, such as Apple, PDF is already the default format for LATEX. I strongly recommend you to use this approach, unless you have a very good argument to go for latex + dvipdfm.

A typical pass for a document with figures, cross-references and a bibliography would be:

- \$ pdflatex template
- \$ bibtex template
- \$ pdflatex template
- \$ pdflatex template

You will notice that there is a new PDF file in the working directory called template.pdf. Simple:)

Please note that, to be sure all table of contents, cross-references and bibliographic citations are up-to-date, you must run latex once, then bibtex, and then latex twice.

3.7.2 Dealing with Images

You may process the same source files with both latex or pdflatex. But, if your text include images, you must be careful. latex and pdflatex accept images in different (exclusive) formats. For latex you may use EPS ou PS figures. For pdflatex you may use JPG, PNG or PDF figures. I strongly recommend you to use PDF figures in vectorial format (do not use bitmap images unless you have no other choice).

3.7.3 Creating Source Files Compatible with both latex and pdflatex

Do not include the extension of the file in the \includegraphics command.

E.g., use

\includegraphics{sonwman}

and not

\includegraphics{sonwman.eps}.

If you use the first form, latex or pdflatex will add an appropriate file extension.

This means that, if you plan to use only pdflatex, you need only to keep (preferably) a PDF version of all the images. If you plan to use also latex, then you also need an EPS version of each image.

To be included in the sections above

Para fazer citações, deverá usar-se a chave da referência no ficheiro BibTeX. Se for uma única referência [2], usar um "~" para ligar o \cite{...} à palavra que o precede (...referência~\cite{Artho04}). Caso queira fazer múltiplas citações [7, 8, 6], deverá agrupá-las dentro de um úinico \cite{...}.

Note que o ficheiro de bibliografia pode ter tantas entradas quantas quiser. Apenas aquelas cuja chave seja referenciada no texto é que serão incluidas na listagem de bibliografia.

Footnotes¹ will be numbered and shown in the bottom of the page.

A Tabela 3.1 ilustra alguns conceitos importantes associados à contrução de tabelas:

- i) Não usar linhas verticais;
- ii) A legenda deve ficar por cima da tabela;
- iii) Usar as macros \toprule, \midrule e \bottomrule para fazer a linha horizontal superior, interiores e inferior, respectivamente.

Test	Anomalies	Warnings	Correct	Categories	Missed
[3] Connection	2	2	1	C	1
[1] Coordinates'03	1	4	1	2B, 1C	0
[1] Local Variable	1	2	1	A	0
[1] NASA	1	1	1	_	0
[2] Coordinates'04	1	4	1	3 <i>C</i>	0
[2] Buffer	0	7	0	2A, 1B, 2C, 2D	0
[2] Double-Check	0	2	0	1A, 1B	0
[4] StringBuffer	1	0	0	_	1
[9] Account	1	1	1	_	0
[9] Jigsaw	1	2	1	C	0
[9] Over-reporting	0	2	0	1A, 1C	0
[9] Under-reporting	1	1	1	_	0
[5] Allocate Vector	1	2	1	C	0
Knight Moves	1	3	1	2B	0
Total	12	33	10	5A, 6B, 10C, 2D	2

Table 3.1: Test results summary.

As figuras a inserir no documento deverão ser de qualidade, preferencialmente em formato vectorial (PDF vectorial) e não em *bitmap* (PNG, JPG, etc). As imagens *bitmap* (Figura 3.2) não escalam bem e têm reflexos negativos na qualidade do seu docuemnto. Pelo contrário, as imagens *vectoriais* Figura 3.3 escalam muito tanto quanto o necessário sem degradar a qualidade da imagem.

¹This is a simple footnote.

Só deve usar *screenshots* se não tive mesmo nenhuma alternativa. Em vez e gerar um *screenshot*, tente usar uma impressora virtual PDF e imprimir para um ficheiro PDF. Regra geral obterá um PDF vetorial. Mesmo que o seu PDF contenha imagens, elas terão sempre qualidade maior ou igual à que obteria com um *screenshot*.

Para agregar várias figuras numa única... Poderá assim referenciar o conjunto 3.4, a priemira delas 3.4() ou a segunda 3.4(a).

Para incluir listagens de código no seu documento, deverá incluir o pacote *listings* e depois usar o ambiente *lstlisting*, como exemplificado na Listagem 3.1.

Listing 3.1: Hello World

```
/**

* The HelloWorldApp class implements an application that

* simply prints "Hello World!" to standard output.

*/

class HelloWorldApp {%

public static void main(String[] args) {%

System.out.println("Hello_World!"); // Display the string.

}

}
```

3.8 Equações

O LaTeX é uma ferramenta poderosa para escrever em estilo matemático. Permite inserir fórmulas no meio do texto como por exemplo esta: $ax^2+bx+c=0$. Também permite que as fórmulas sejam destacadas numa linha separada e centradas na página

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$
$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

ou numeradas

$$aaa$$
 (3.1)

que depois pode ser referida no texto como sendo a equação 3.1

aa

$$a$$
 (3.2)

$$b$$
 (3.3)

$$c$$
 (3.4)

(3.5)



Figure 3.2: Imagem em formato bitmap (JPG)



Figure 3.3: Imagem em formato PDF vectorial

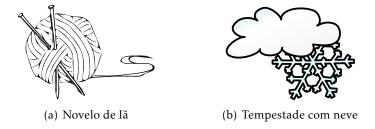


Figure 3.4: Exemplo de utilização de *subbottom*

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NOVATHESIS COVERS SHOWCASE





NOVAFCSH





APPENDIX A. NOVATHESIS COVERS SHOWCASE







A P P E N D I X

APPENDIX 2 LOREM IPSUM

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Annex 1 Lorem Ipsum

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