

**YOUR TITLE IN ENGLISH  
HERE**

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Thesis presented as partial requirement for  
obtaining the degree of Ph. D. in Computer  
Science at Pontifical Catholic University of  
Rio Grande do Sul.

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Dedico este trabalho a meus pais.





“The art of simplicity is a puzzle of complexity.”  
(Douglas Horton)



## ACKNOWLEDGMENTS

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# SEU TÍTULO EM PORTUGUÊS AQUI

## RESUMO

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**Palavras-Chave:** lorem, ipsum, dolor, sit, amet.



# YOUR TITLE IN ENGLISH HERE

## ABSTRACT

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**Keywords:** lorem, ipsum, dolor, sit, amet.





## LIST OF FIGURES

Figure 1.1 – This is a figure with a very long caption which looks ugly in the corresponding list of figures. Fortunately, there is an optional parameter for a shorter replacement of this monstrosity . . . . .	29
Figure 1.2 – A figure with an alternate, shorter caption . . . . .	30
Figure 2.1 – This is another figure . . . . .	34



## LIST OF TABLES

Table 2.1 – This is a table .....	33
Table 2.2 – Note que a legenda da tabela fica na parte de cima .....	35



## LIST OF ACRONYMS

ABC – Associação Brasileira de Computadores

IJK – lorem ipsum dolor sit

XYZ – lorem ipsum dolor sit



## LIST OF ABBREVIATIONS

Abrev. – Abreviatura

Inform. – Informática





## LIST OF SYMBOLS

Hz – Hertz . . . . .	29
$\pi$ – Constante com valor aproximado de 3.1415926 . . . . .	29



# CONTENTS

<b>1</b>	<b>INTRODUÇÃO</b>	<b>29</b>
1.1	PRIMEIRA SEÇÃO	30
1.1.1	SUBSEÇÃO	30
<b>2</b>	<b>ANOTHER CHAPTER</b>	<b>33</b>
2.1	ANOTHER SECTION	33
2.1.1	ANOTHER SUBSECTION	34
	<b>REFERENCES</b>	<b>37</b>
	<b>APPENDIX A</b> – Meu primeiro apêndice	<b>39</b>
	<b>APPENDIX B</b> – My second appendix	<b>41</b>
	<b>ATTACHMENT A</b> – Meu primeiro anexo	<b>43</b>
	<b>ATTACHMENT B</b> – My second attachment	<b>45</b>



# 1. INTRODUÇÃO

lorem ipsum dolor sit amet Capítulo 1 consetetur sadipscing elitr sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat sed diam voluptua at vero eos et accusam et justo duo dolores et ea rebum stet clita kasd gubergren no sea takimata sanctus est lorem ipsum dolor sit amet lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod. Ver Figura 1.1.

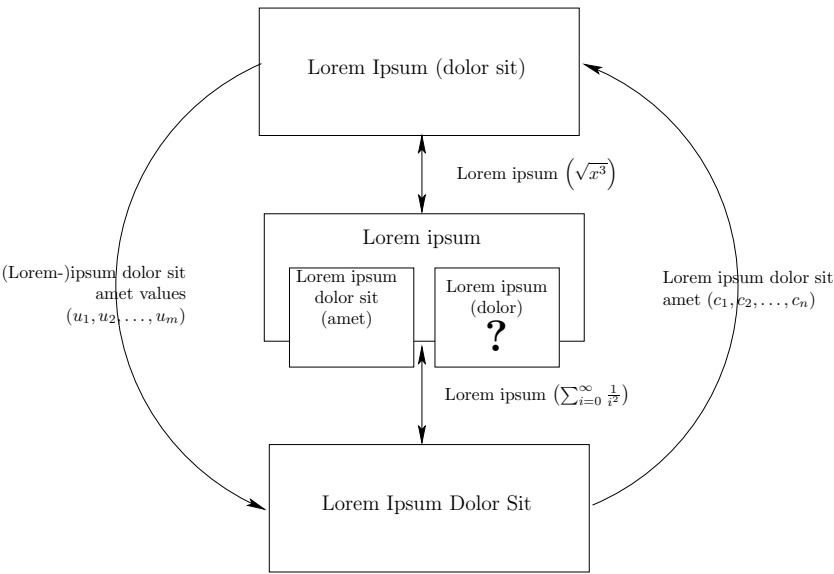


Figure 1.1 – This is a figure with a very long caption which looks ugly in the corresponding list of figures. Fortunately, there is an optional parameter for a shorter replacement of this monstrosity

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tempor invidunt ut labore et dolore magna aliquyam erat sed diam voluptua at vero eos et accusam et justo duo dolores et ea rebum [CLRS01].

dolor sit [Ben07] amet consetetur sadipscing elitr sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat sed diam voluptua at vero [Atk04].

- 1. lorem
- 2. ipsum
- 3. dolor
- 4. sit
- 5. amet
- 6. consetetur

```

1: function  $\sigma(i, j)$ 
2: {table lorem ipsum dolor consetetur sadipscing elitr sed  $(i, j)$ }
3: if  $table[i, j].memoized$  then
4:   return  $table[i, j].error$ 
5: end if
6:  $minerror \leftarrow \infty$ 
7:  $bestt \leftarrow nil$ 
8: for each template  $t$  in  $T$  do
9:    $error \leftarrow allocate(t, i, j)$ 
10:  if  $error < minerror$  then
11:     $minerror \leftarrow error$ 
12:     $bestt \leftarrow t$ 
13:  end if
14: end for
15:  $table[i, j].memoized \leftarrow true$ 
16:  $table[i, j].template \leftarrow bestt$ 
17:  $table[i, j].error \leftarrow minerror$ 
18: return  $minerror$ 

```

Figure 1.2 – This is another figure with a very long caption. However, this time we will actually use the shorter version.

## 1.1 Primeira seção

lorem ipsum dolor sit  $x \leq 2$  amet consetetur sadipscing elitr sed diam nonumy eirmod  
 Seção 1.1 tempor invidunt ut labore et dolore magna aliquyam erat sed diam voluptua at vero eos  
 et accusam et justo duo dolores et ea rebum stet clita. [Oli08]

$$\int_0^{\infty} x^2 + \frac{\pi}{\sum_{i=0}^n \frac{1}{i^2}} \quad (1.1)$$

kasd gubergren no sea Equação (1.1) takimata sanctus est lorem ipsum dolor sit amet  
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amet lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod. [Pic08]

### 1.1.1 Subseção

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- lorem
- ipsum
- dolor
- sit
- amet
- consetetur

#### Subsubsub

lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat sed diam voluptua at vero eos et accusam et justo duo dolores et ea rebum stet clita. [Gol09]

$$L(i, j, w, h) = \begin{cases} E(i, w, h) & i = j \\ \min \left( \min_{k=i}^{j-1} \{\heartsuit(i, k, j, w, h)\}, \min_{k=i}^{j-1} \{\spadesuit(i, k, j, w, h)\} \right) & i < j. \end{cases} \quad (1.2)$$

lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat sed diam voluptua at vero eos et accusam et justo duo dolores et ea rebum stet clita kasd gubergren no sea takimata sanctus est lorem ipsum dolor sit amet lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat sed diam voluptua at vero eos et accusam et justo duo dolores et ea rebum stet clita kasd gubergren no sea takimata sanctus est lorem ipsum dolor sit amet lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat sed diam voluptua at vero eos et accusam et justo duo dolores et ea rebum stet clita kasd gubergren no sea takimata sanctus est lorem ipsum dolor sit amet.

De acordo com Esquedo (2011, p. 19):

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## 2. ANOTHER CHAPTER

lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod tempor invidunt [Pla81] ut labore et dolore magna aliquyam erat sed diam voluptua at vero eos et accusam et justo duo dolores et ea rebum stet clita kasd gubergren no sea takimata sanctus est lorem ipsum dolor sit amet lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat sed diam voluptua at vero eos et accusam et justo duo dolores et ea rebum stet clita kasd gubergren no sea takimata sanctus est lorem ipsum dolor sit amet lorem ipsum. A Tabela 2.1 mostra o cronograma. [Wik09]

Table 2.1 – This is a table

Atividade	Ano/Semestre			
	2011/II	2012/I	2012/II	2013/I
1				
2	✓	✓	✓	
3	✓	✓	✓	
4	✓	✓	✓	×
5				
6				
7	×			
8		×		
9		×	×	
10	×	×	×	
11	×	×	×	×

### 2.1 Another section

Lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat sed diam voluptua at vero eos et accusam et justo duo dolores et ea rebum stet clita kasd gubergren no sea takimata sanctus est lorem ipsum dolor sit amet lorem. [Lin05]

Lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat sed diam voluptua at vero eos et accusam et justo duo dolores et ea rebum stet clita kasd gubergren no sea takimata sanctus est lorem ipsum dolor sit amet lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat sed diam voluptua at vero eos et accusam et justo duo dolores et ea rebum stet clita kasd gubergren no sea takimata sanctus est lorem ipsum dolor sit amet lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat sed diam voluptua at vero eos et accusam et justo

duo dolores et ea rebum stet clita kasd gubergren no sea takimata sanctus est lorem ipsum dolor sit amet. Figura 2.1.

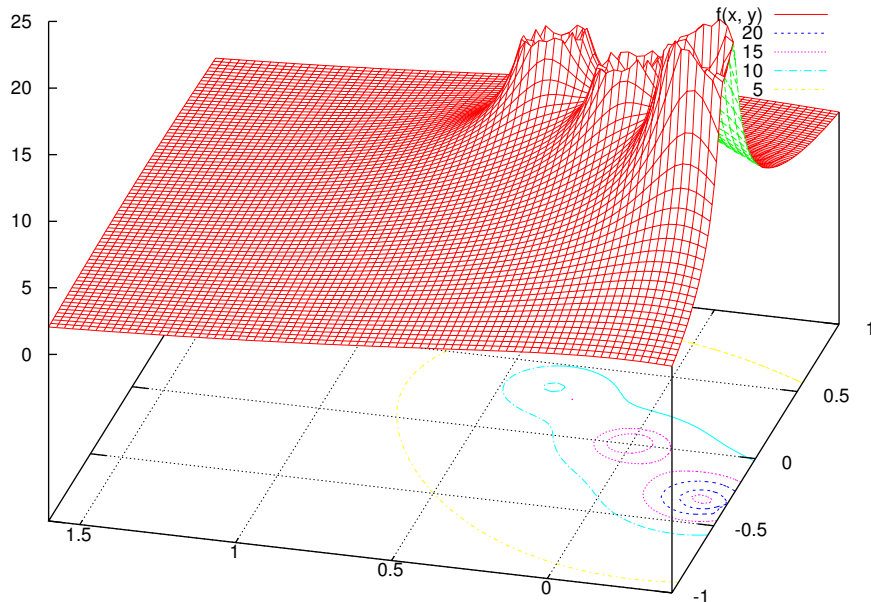


Figure 2.1 – This is another figure

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### 2.1.1 Another subsection

lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat sed diam. [CGMV98]

## Another subsubsection

lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy. A seguir, a Tabela 2.2 mostra algo mais simples.

Table 2.2 – Note que a legenda da tabela fica na parte de cima

lorem	ipsum	dolor
sit	amet	consetetur
sadipscing	elit	sed
diam	nonumy	eirmod
tempor	invidunt	ut
labore	et	dolore
magna	aliquyam	erat
sed	diam	voluptua
at	vero	eos

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## **APPENDIX A – MEU PRIMEIRO APÊNDICE**





## **APPENDIX B – MY SECOND APPENDIX**



**ATTACHMENT A – Meu primeiro anexo**



**ATTACHMENT B – My second attachment**