

**YOUR TITLE IN ENGLISH HERE**

**FULANO DA SILVA**

Dissertation submitted to the Pontifical  
Catholic University of Rio Grande do Sul  
in partial fulfillment of the requirements  
for the degree of Ph. D. in Computer  
Science.

Advisor: Prof. Beltrano Dias  
Co-Advisor: Prof. Ciclano de Farias



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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.





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## **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 .....	31
$\pi$ – Constante com valor aproximado de 3.1415926 .....	31



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1. INTRODUÇÃO

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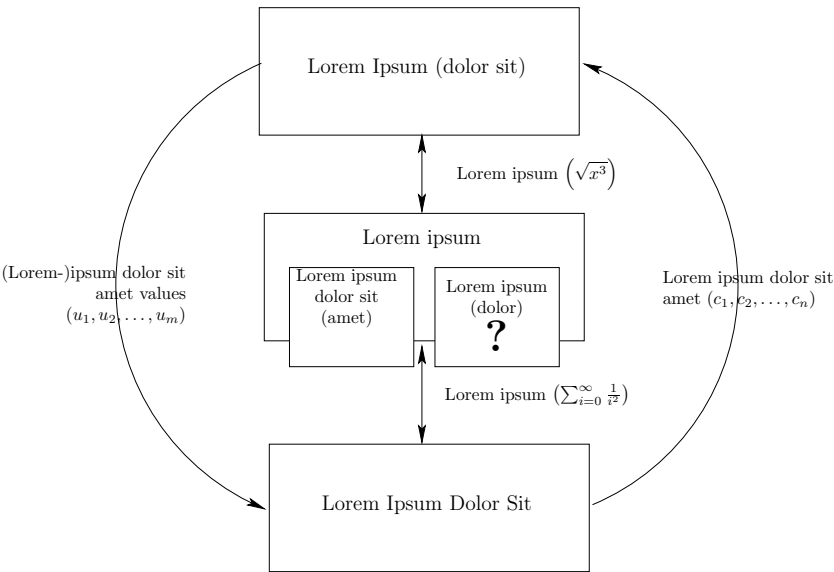


Figure 1.1 – This is a figure with a very long caption which looks ugly in the corresponding list of figures. Fortunately, there is an optional parameter for a shorter replacement of this monstrosity

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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

```

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  $\leftarrow \text{nil}$ 
8: for each template  $t$  in  $\mathcal{T}$  do
9:   error  $\leftarrow \text{allocate}(t, i, j)$ 
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

```

Algorithm 1.1 – This is an algorithm with a very long caption. However, we replaced it with a shorter version in the Outline for legibility reasons

5. amet

6. consetetur

## 1.1 Primeira seção

lorem ipsum dolor sit  $x \leq 2$  amet consetetur sadipscing elitr sed diam nonumy eir-  
mod 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 lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod. [PCC<sup>+</sup>11]

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mod. [Pic08]



### 1.1.1 Subseção

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- lorem
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#### Subsubsub

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

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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]

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

2.1 Another section

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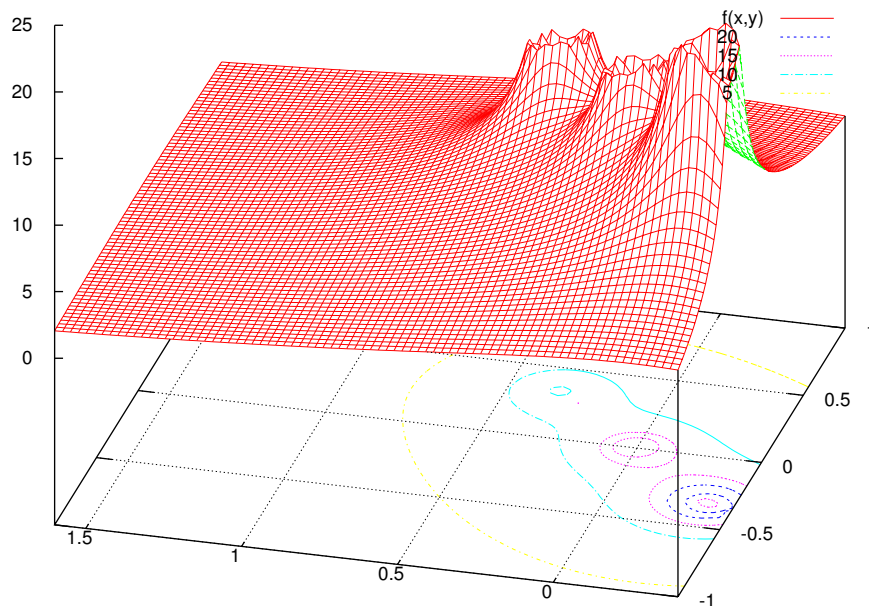


Figure 2.1 – This is another figure

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### 2.1.1 Another subsection

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#### 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

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tempor	invidunt	ut
labore	et	dolore
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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**