

**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.





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



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# 1. INTRODUÇÃO

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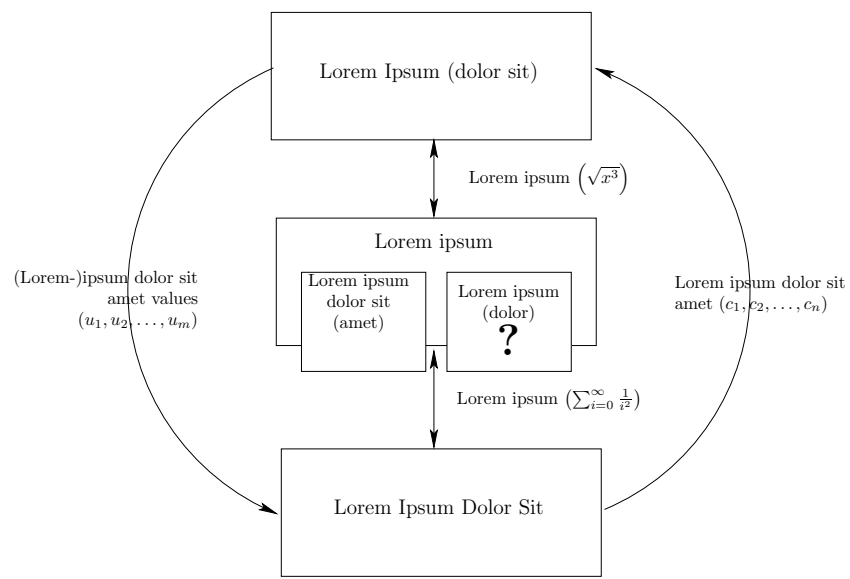


Figure 1.1 – This is a figure

tempor invidunt [Ski98] 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 [NA07]. O algoritmo na Figura 1.2 mostra este processo.

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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 is a global object to contain the best matching templates for each pair  $(i, j)$ }
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 – Template scoring and selection function

## 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. [dO08]

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

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]

amet lorem ipsum dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod. [Pic08]

### 1.1.1 Subseção

dolor sit amet consetetur sadipscing elitr sed diam nonumy eirmod tempor invidunt ut  
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- lorem
- ipsum
- dolor
- sit
- amet
- consetetur

#### 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 Fulaninho (2011, p. 19):

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## 2. ANOTHER CHAPTER

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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.

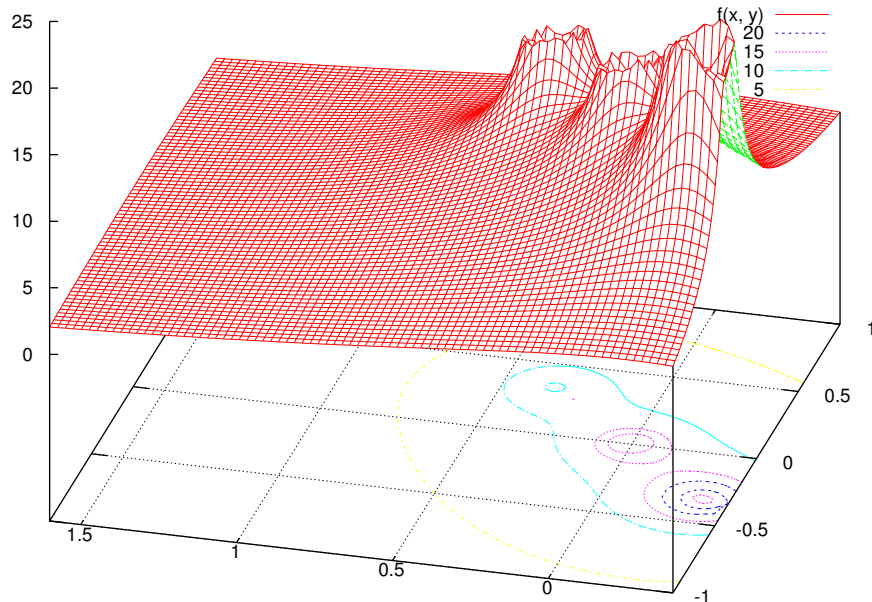


Figure 2.1 – This is another figure

Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue dui dolore te feugait nulla facilisi lorem ipsum dolor sit amet consectetur adipiscing elit sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

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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. [CGMV]

### Another subsection

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

1	2	3
4	5	6
7	8	9
1	2	3
4	5	6
7	8	9
1	2	3
4	5	6
7	8	9

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





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



**ATTACHMENT A – Meu primeiro anexo**



## **ATTACHMENT B – My second attachment**