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NOME DA AUTORA

TÍTULO DO TRABALHO

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Dissertação apresentada ao Programa de Pós-Graduação Responsável como requisito parcial para a obtenção do grau de Mestra Área de concentração.

Orientador: Prof. Dr. Nome do orientador

Autor(a), Nome do(a)

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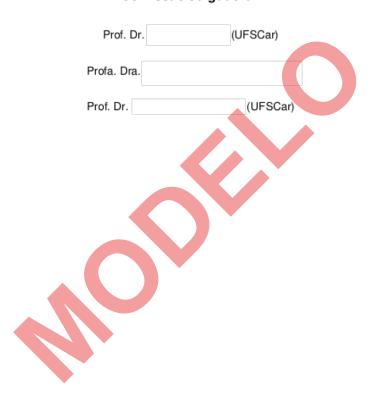


### UNIVERSIDADE FEDERAL DE SÃO CARLOS

Centro de Ciências Exatas e de Tecnologia
Programa de Pós-Graduação em

F	olha de Aprovaçã	io	
Defesa de Dissertação de Mestrado do candidato		, realizada em	

### Comissão Julgadora:



O presente trabalho foi realizado com apoio da Coordenação de Aperfeiçoamento de Pessoal de Nível Superior - Brasil (CAPES) - Código de Financiamento 001.

O Relatório de Defesa assinado pelos membros da Comissão Julgadora encontra-se arquivado junto ao Programa de Pós-Graduação em Ensino de Ciências Exatas.



## AGRADECIMENTOS

É um elemento OPCIONAL em que o autor faz agradecimentos aos que contribuíram de maneira relevante à elaboração do trabalho.

**RESUMO** 

Elemento OBRIGATÓRIO, deve apresentar os pontos relevantes do texto, de forma concisa

e que permita uma visão rápida e clara do conteúdo e das conclusões do trabalho. Indica-se

que o resumo tenha no máximo 500 palavras e deve ser elaborado de acordo com ABNT NBR

6028/2003. Deve ser escrito em um único parágrafo, sem subdivisões e sem recuo de parágrafo.

Abaixo do resumo devem ser colocadas as palavras-chave. A indicação Palavra-chave deve ser

em negrito seguida de dois pontos e espaço. Cada palavra deve ser separada uma da outra por

ponto final.

**Palavras-chave:** Chave 1. Chave 2. Chave 3.

**ABSTRACT** 

Version of the abstract in another language for international dissemination. Prepare the abstract

in a foreign language accordingly with ABNT NBR 6028/2003. Below the abstract the keywords

must be placed. The indication Keywords must be in bold followed by a colon and space. Each

word must be separated from each other by a period.

**Keywords:** Key 1. Key 2. Key 3.

## LISTA DE FIGURAS

## LISTA DE TABELAS

# LISTA DE QUADROS

## LISTA DE SIGLAS

**BNCC** Base Nacional Comum Curricular

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# 1 INTRODUÇÃO

Por exemplo, utilizando o acrônimo Base Nacional Comum Curricular (BNCC) pela primeira vez no seu documento. A partir desse momento, sempre teremos BNCC no documento.

## 2 DESENVOLVIMENTO

# **3 CONSIDERAÇÕES FINAIS**

"Demonstração: Evidente" (Lima, 1976, p. 154).

Para a citação como sujeito da frase: Morais Filho (2018) faz diversas considerações sobre a boa redação matemática.

## REFERÊNCIAS

LIMA, Elon Lages. **Curso de Análise - Volume 1**. 4. ed. Rio de Janeiro: Instituto de Matemática Pura e Aplicada, 1976. (Projeto Euclides). Citado nas pp. 5, 15.

MORAIS FILHO, Daniel Cordeiro de. **Manual de Redação Matemática**. 2. ed. Rio de Janeiro: SBM, 2018. (Coleção do Professor de Matemática). Citado na p. 15.

# APÊNDICE A - TÍTULO DO APÊNDICE

A.1 SEÇÕES DO APÊNDICE

### 

#### Document classes

book Default is two-sided. No \part divisions. report

article No \part or \chapter divisions.

letter Letter (?).

slides Large sans-serif font.

Used at the very beginning of a document:

\documentclass{class}. Use \begin{document} to start contents and \end{document} to end the document.

#### Common documentclass options

10pt/11pt/12pt Font size. letterpaper/a4paper Paper size. twocolumn Use two columns. twoside Set margins for two-sided.

landscape Landscape orientation. Must use dvips

-t landscape. draft Double-space lines. Usage: \documentclass[opt,opt]{class}.

#### Packages

fullpage Use 1 inch margins.

anysize Set margins:  $\mbox{marginsize}\{l\}\{r\}\{t\}\{b\}.$ 

multicol Use n columns: \begin{multicols} {n}.

latexsvm Use LATEX symbol font.

graphicx Show image: \includegraphics[width=x]{file}.

url Insert URL: \url{http://...}.

Use before \begin{document}. Usage: \usepackage{package}

#### Title

\author{text} Author of document. \title{text} Title of document.

\date{text} Date.

These commands go before \begin{document}. The declaration \maketitle goes at the top of the document.

#### Miscellaneous

\pagestyle{empty} Empty header, footer and no page numbers.

\tableofcontents Add a table of contents here.

#### Document structure

\part{title} \subsubsection{title} \chapter{title} \paragraph{title} \section{title} \subparagraph{title}

\subsection{title}

Use  $\secounter{secnumdepth}{x}$  suppresses heading numbers of depth > x, where chapter has depth 0. Use a \*, as in \section\*{title}, to not number a particular item—these items will also not appear in the table of contents.

#### Text environments

\begin{comment} Comment (not printed). Requires verbatim

package.

\begin{quote} Indented quotation block.

\begin{quotation} Like quote with indented paragraphs.

\begin{verse} Quotation block for verse.

#### Lists

\begin{enumerate} Numbered list. \begin{itemize} Bulleted list. \begin{description}Description list. \item text Add an item.

Use x instead of normal bullet or number.  $\left[ x \right] text$ 

Required for descriptions.

#### References

Set a marker for cross-reference, often of the \label{marker}

form \label{sec:item}.

\ref{marker} Give section/body number of marker.

\pageref{marker} Give page number of marker. \footnote{text} Print footnote at bottom of page.

#### Floating bodies

\begin{table}[place] Add numbered table. \begin{figure}[place] Add numbered figure. \begin{equation} [place] Add numbered equation.  $\column{text}$ Caption for the body. The place is a list valid placements for the body, t=top.

h=here, b=bottom, p=separate page, !=place even if ugly. Captions and label markers should be within the environment.

Effect

#### Text properties

#### Font face Command

$\text{textrm}\{text\}$	${\bf \{rmfamily}\ text\}$	Roman family	
$\text{textsf}\{text\}$	$\{\sffamily\ text\}$	Sans serif family	
$\text{texttt}\{text\}$	{\ttfamily text}	Typewriter family	
$\text{textmd}\{text\}$	${\mbox{\mbox{$\setminus$}}}$	Medium series	
$\text{textbf}\{text\}$	$\{\bfseries\ text\}$	Bold series	
$\text{textup}\{text\}$	{\upshape text}	Upright shape	
$\text{textit}\{text\}$	$\{\t t shape text\}$	Italic shape	
$\text{textsl}\{text\}$	$\{\sline text\}$	Slanted shape	
$\text{textsc}\{text\}$	$\{\sc shape text\}$	SMALL CAPS SHAPE	
$\ensuremath{\mbox{emph}\{text\}}$	$\{ \text{\em } text \}$	Emphasized	
\textnormal{text}{\normalfont text}Document font			
$\underline{text}$		Underline	
The command (tttt) form handles spacing better than the			

Declaration

#### Font size

declaration (ttt) form.

-
\Large Large
\LARGE LARGE
LARGE LITTICOL
\huge huge
T T
$_{ ext{ t Huge}}$ Huge

These are declarations and should be used in the form {\small ...}, or without braces to affect the entire document.

#### Verbatim text

\begin{verbatim} Verbatim environment. \begin{verbatim\*} Spaces are shown as ...

\verb!text! Text between the delimiting characters (in

this case '!') is verbatim.

#### Justification

EnvironmentDeclaration\begin{center} \centering \begin{flushleft} \raggedright \begin{flushright} \raggedleft

#### Miscellaneous

 $\label{linespread} x \ changes the line spacing by the multiplier <math>x$ .

#### Text-mode symbols

#### Symbols

&	\&	_	\_		\ldots	•	\textbullet
\$	\\$	^	\^{}		\textbar	\	\textbackslash
0%	۱ %	~	/~17	-#	\#	8	\ q

#### Accents

ò \'o	ó ∖'o	ô \^o	õ \~o	ō \=o
ό \.ο	ö \"o	g \c o	ŏ \v o	ő \H c
ç \c c	o /d o	0 /p o	⊙ \t 00	∞ ∖oe
Œ \OE	æ \ae	Æ \AE	å \aa	Å \AA
	Ø \0		Ł \L	
j ∖j	i ~'	٬? ز		

#### Delimiters

```
', "', }\} |] )) > \textgreater
```

#### Dashes

Name	Source	Example	Usage
hyphen	-	X-ray	In words.
en-dash		1-5	Between numbers.
em-dash		Yes—or no?	Punctuation.

#### Line and page breaks

// Begin new line without new paragraph. Prohibit pagebreak after linebreak. \\\* \kill Don't print current line.

\pagebreak Start new page.

\noindent Do not indent current line.

#### Miscellaneous

March 28, 2017. \todav

\$\sim\$ Prints  $\sim$  instead of  $\S$ , which makes  $\tilde{\ }$ . Space, disallow linebreak (W.J.~Clinton).

Indicate that the . ends a sentence when following \@. an uppercase letter.

\hspace{l} Horizontal space of length l (Ex: l = 20pt).

 $\vert_{l}$  Vertical space of length l.  $\mathbf{w}_{h}$  Line of width w and height h.

#### Tabular environments

### tabbing environment

\= Set tab stop. > Go to tab stop.

Tab stops can be set on "invisible" lines with \kill at the end of the line. Normally \\ is used to separate lines.

#### tabular environment

\begin{array} [pos] {cols}  $\begin{tabular}{pos}{cols}$ \begin{tabular\*}{width}[pos]{cols}

#### tabular column specification

Left-justified column. Centered column. С Right-justified column. p{width} Same as \parbox[t]{width}. @{decl} Insert decl instead of inter-column space. Inserts a vertical line between columns.

#### tabular elements

Horizontal line between rows. \hline  $\cline{x-y}$  Horizontal line across columns x through y.  $\mbox{multicolumn}{n}{cols}{text}$ 

A cell that spans n columns, with cols column specification.

#### Math mode

For inline math, use (...) or .... For displayed math, use  $\[...\]$  or  $\begin{equation}$ .

$Superscript^x$	^{x}	$Subscript_x$	_{x}
$\frac{x}{y}$	$frac{x}{y}$	$\sum_{k=1}^{n}$	$\sum_{k=1}^n$
$\sqrt[n]{x}$	$\sqrt[n]{x}$	$\prod_{k=1}^{n} \prod_{k=1}^{n}$	$\displaystyle \frac{k=1}^n$

#### Math-mode symbols

```
< \leq
              > \geq
                          ≠ \neq
                                     ≈ \approx
× \times
             ÷ \div
                          \pm \pm
                                      · \cdot
° ^{\circ} ° \circ
                         / \prime
                                     ··· \cdots
∞ \infty ¬ \neg
                          ∧ \wedge ∨ \vee

   \supset ∀ \forall ∈ \in

                                     → \rightarrow
∪ \cup
             ∩ \cap
                             \mid
                                     ⇔ \Leftrightarrow
\dot{a} \dot a
             \hat{a} \hat a
                         ar{a} \bar a 	ilde{a} \tilde a
\alpha \alpha \beta \beta
                          \gamma \gamma \delta \delta
                          η \eta
\epsilon \epsilon \zeta \zeta
                                     \varepsilon \varepsilon
\theta \theta
             ι \iota
                          \kappa \kappa \vartheta \vartheta
\lambda \lambda
             μ \mu
                          \nu \setminus nu
                                     ξ \xi
                         \sigma \sigma 	au \tau
\pi \neq \pi
              \rho \rho
v \upsilon \phi \phi
                         χ \chi
                                     \psi \psi
\omega \omega \Gamma \Gamma
                         \Delta \setminus Delta \Theta \setminus Theta
\Lambda \Lambda \Xi \Xi
                                     \Sigma \Sigma
                          ∏ \Pi
\Upsilon \Upsilon \Phi \Phi
                          \Psi \Psi
                                     \Omega \Omega
```

#### Bibliography and citations

When using BibTeX, you need to run latex, bibtex, and latex twice more to resolve dependencies.

Citation types \cite{keu} Full author list and year. (Watson and Crick  $\citeA{key}$ Full author list. (Watson and Crick) Full author list and year. Watson and Crick  $\citeN{key}$ (1953)\shortcite{keu} Abbreviated author list and year. ? \shortciteA{key} Abbreviated author list. ? \shortciteN{key} Abbreviated author list and year. ? \citeyear{key} Cite year only. (1953) All the above have an NP variant without parentheses; Ex. \citeNP.

#### BibT<sub>E</sub>X entry types

@article Journal or magazine article. Book with publisher. @hook Obooklet Book without publisher. @conference Article in conference proceedings.

@inbook A part of a book and/or range of pages. A part of book with its own title. @incollection

If nothing else fits. @misc PhD. thesis. @phdthesis

Proceedings of a conference. @proceedings

Tech report, usually numbered in series. @techreport @unpublished Unpublished.

#### BibTeX fields

address

author Names of authors, of format .... Title of book when part of it is cited. booktitle Chapter or section number. chapter edition Edition of a book. editor Names of editors. institution Sponsoring institution of tech. report. journal Journal name. Used for cross ref. when no author. key month Month published. Use 3-letter abbreviation. note Any additional information. number Number of journal or magazine. organization Organization that sponsors a conference. Page range (2,6,9--12). pages publisher Publisher's name. school Name of school (for thesis). Name of series of books. series Title of work title Type of tech. report, ex. "Research Note". type volume Volume of a journal or book. vear Year of publication. Not all fields need to be filled. See example below.

#### Common BibT<sub>F</sub>X style files

abbrv Standard abstract alpha with abstract APA alpha Standard apa plain Standard unsrt Unsorted

The LATEX document should have the following two lines just before \end{document}, where bibfile.bib is the name of the

\bibliographystyle{plain} \bibliography{bibfile}

#### BibTeX example

The BibTeX database goes in a file called file.bib, which is processed with bibtex file.

```
@String{N = {Na\-ture}}
@Article{WC:1953,
 author = {James Watson and Francis Crick},
 title = {A structure for Deoxyribose Nucleic Acid},
 journal = N,
 volume = {171},
 pages = \{737\},
 year
         = 1953
```

#### Sample LaTeX document

\documentclass[11pt]{article} \usepackage{fullpage} \title{Template} \author{Name} \begin{document} Address of publisher. Not necessary for major \maketitle

discovered the structure of DNA.

\section{section}

\subsection\*{subsection without number} text \textbf{bold text} text. Some math: \$2+2=5\$ \subsection{subsection} text \emph{emphasized text} text. \cite{WC:1953}

A table:

\begin{table}[!th] \begin{tabular}{||1|c|r|} \hline first & row & data \\ second & row & data \\ \hline \end{tabular} \caption{This is the caption} \label{ex:table} \end{table}

The table is numbered \ref{ex:table}. \end{document}

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