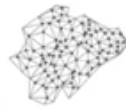




# Modelagem Computacional no Sertão Mineiro



PPGMCS  
Programa de Pós-Graduação em  
Modelagem Computacional e Sistemas

## INSTRUCTIONS FOR PREPARATION AND SUBMISSION OF PAPERS FOR PUBLICATION IN THE PROCEEDINGS OF I MCSM

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**Abstract.** *Este modelo de documento fornece instruções detalhadas para preparar e submeter um artigo ao III MCSM – Modelagem Computacional no Sertão Mineiro. Siga estas instruções: a) Use o modelo; b) O artigo pode ter até 6 páginas; c) digite até 200 palavras no resumo; d) Use o modelo do template para inserir as referências por nome e) forneça figuras/fotografias de boa qualidade, sendo recomendada uma resolução de 300 dpi (figuras coloridas podem ser usadas); f) defina todos os símbolos como eles aparecem no texto; g) use apenas unidades SI; h) O artigo pode ser escrito em inglês ou português.*

**Keywords:** *First keyword, Second keyword, Third keyword (up to 5 keywords)*

### 1. INTRODUCTION [capital letters]

The Proceedings of III MCSM, which include the full versions of all papers to be presented at the meeting, will be published in digital media. Therefore, it is extremely important that you prepare the PDF digital version of your contribution in accordance with the present instructions. The file size must be less than 4 MB.

The Editorial Committee will evaluate all submitted papers.

### 2. TYPING INSTRUCTIONS

The paper must be written in English or Portuguese.

## 2.1 Paper length

The full paper including figures and tables must have at least 2 pages, but is limited to 6 A4-size pages (21 cm x 29.7 cm). Please limit your paper by writing concisely, rather than by reducing figures or tables to a size at which symbols/labels become difficult to read.

## 2.2 Page format

Each A4-size page should be formatted with 2.5 cm margins on all sides, except at the top. This defines the printable area. Inside this area, the text must be arranged in a single column. Please do not print any border around the text and do not insert page numbers.

The final paper should look like this document.

## 2.3 General text specifications

The paper must be typed using 12 pt Times New Roman throughout the text, as in the present document. This includes title, headings, and figure and table captions.

**Paper title.** The title should be in boldface type, all capital letters and centered on the page and must not exceed three lines. It should be single spaced if longer than one line. Skip one line (12 pt) between the title and the first author.

**Author(s) and affiliation.** Type authors names in boldface type, flush left, one per line, including first name, middle and last name, followed by the e-mail address (not boldfaced). After the name put in superscript the number, related to the affiliation. The authors names should be followed by the corresponding affiliation, which should be in regular type (neither boldfaced nor italicized). After presenting affiliations should skip two lines (24 pt) between the last affiliation and the abstract.

**Abstract and keywords.** Type the heading **Abstract.** in boldface italics, flush left, followed by a period. On the same line, type the abstract in italics, justified alignment. The abstract should be no longer than 200 words. Skip one line, then type the heading **Keywords:** (don't forget the colon) in boldface italics, flush left and type 3 to 5 keywords, separated by commas, with only the first letter of each keyword capitalized. Skip two lines (24 pt) between the keywords and the body of text.

**Headings.** Type a first-level head (section) in all capital letters, boldface type, flush left. Begin by typing the Arabic number followed by a period, then type the head title 0.75 cm (or 7 blank spaces) from the left margin. Leave one blank line above and one below this head.

For a second-level head (subsection), capitalize only the first letter, using boldface type, flush left. Begin by typing the double number, then type the sub-head title 0.75 cm from the left margin. Leave one blank line above and one below this head.

Do not number third-level heads (sub-subsection). Use boldface italics, capitalizing only the first letter and indenting 0.75 cm from the left margin. Follow it by a period and start the text immediately. Leave one blank line above this head.

**Body of text.** The text should be typed using single-spaced lines and justified alignment. Start each paragraph 0.75 cm from the left margin and allow no space between paragraphs.

## 2.4 Equations, symbols and units

Indent an equation 1 cm (or 10 spaces) from the left margin. Number it with an Arabic number enclosed in parentheses, placed flush right. Allow one blank line above and one below each equation. For example:

$$\vec{q}_r = -4\pi r^2 k \frac{dT}{dr} \quad (1)$$

When referring to an equation in the text write Eq. (1), except at the beginning of a sentence, where Equation (1) should be used.

Symbols should be italicized throughout the text. Define all symbols as they appear in the text. A nomenclature section is not necessary.

All data, including those shown in tables and figures, must be reported in SI units.

## 2.5 Figures and tables

Figures and tables should be inserted as close as possible to their mention in the text. Enclosed text and symbols must be clearly readable; avoid small symbols. Supply good quality pictures and illustrations.

Figures and tables and their captions should be centered in the text. Place figure caption below the figure, leaving one blank line between them. Place table title above the table, also leaving one blank line between them. Leave one blank line between the table or figure and the adjacent text. Color figures can be used.

Number figures and tables consecutively using Arabic numerals (e.g., Figure 1, Figure 2, Table 1, Table 2). Refer to them in the text as Table 1 and Fig. 1 (except at the beginning of a sentence, where Figure 1 should be used).

Table 1: Input parameters

Method LJ	Configuration	Method R2W	Configuration
$k_1$ (W/mK)	[0, 0; 0, 1]	$k_1$ (W/mK)	[0, 0; 0, 1]
$k_2$ (W/mK)	[0, 0; 0, 1]	$k_2$ (W/mK)	[0, 0; 0, 1]
$n$	1, 0	$n$	1, 0

Label coordinates in plots and add the corresponding units. Similarly, label columns/rows in tables and add the units.

## 2.6 Permission

You are responsible for making sure that you have the right to publish everything in your paper. If you use material from a copyrighted source, you may need to obtain permission from the copyright holder.

## 3. CALL TO REFERENCES IN THE BODY OF TEXT

References should be cited in the text by name last (year) or (last name, year). For example: “In a recent work, Jones et al. (2005) proposed ...,” or “In a recent work (Devlou & Zapparolli, 2013), it is suggested ... .”

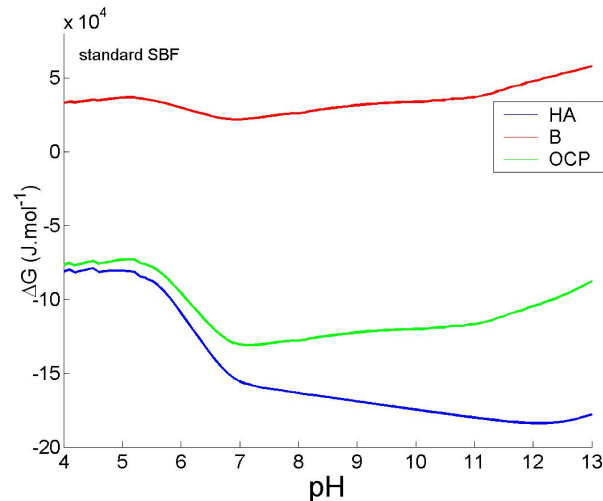


Figure 1: Gibbs free energy variations: simulated results.

References must be listed in alphabetical order at the end of the paper. Type the word **REFERENCES** in all capitals, boldface type from the left margin, skip one line and type the reference list. In each reference, indent all lines 0.75 cm except the first line, which starts directly at the left margin. Each reference must be cited in the text. In the section REFERENCES is presented an example of a reference list including a journal article, a report, an edited book, proceedings, a dissertation and a book.

#### 4. CONCLUSIONS

This section should be included and need to show the main contributions of the paper in a briefly form.

#### *Acknowledgements*

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