

INSTRUCTIONS TO PREPARE AN ABSTRACT FOR THE INTERNATIONAL CONFERENCE ON PARALLEL COMPUTATIONAL FLUID DYNAMICS – PARCFD2024

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Abstract. This document provides the information and instructions to prepare the Abstract to be included in the Proceedings of *ParCFD 2024 Conference*.

1 INTRODUCTION

The Conference publication will consist of a book containing the Abstracts of the contributions received. Authors should submit the Abstract electronically via the web page of the Conference before the deadline announced. The Abstract should be written following the format of Word macros for submission that can be found in that address. The file has to be translated into Portable Document Format (PDF) before submission via the Conference site. The organizers do not commit themselves to include in the Proceedings any Abstract received later than the above-mentioned deadline. The speaker and the contact author should match.

2 GENERAL SPECIFICATIONS

The Abstract must be written in English and must not exceed 4 pages including figures, tables, and references. Maximum file size is 2 MB.

3 TITLE, AUTHORS, AFFILIATION, KEY WORDS

The first page must contain the Title, Author(s), Affiliation(s), Key words and the Summary. The Introduction must begin immediately below, following the format of this template.

3.1 Title

The title should be written centred, in 14pt, boldface Roman, all capital letters. It should be single spaced if the title is more than one line long.

3.2 Author

The author's name should include first name, middle initial and surname. It should be written centred, in 12pt boldface Roman, 12pt below the title.

3.3 Affiliation

Author's affiliation should be written centred, in 11pt Roman, 12pt below the list of authors. A 12pt space should separate two different affiliations.

3.4 Key words

Please, write no more than six key words. They should be written left aligned, in 12pt Roman, and the line must begin with the words **Key words:** boldfaced. A 12pt space should separate the key words from the affiliations.

3.5 Summary

Use 12pt Italic Roman for the summary. The word **Summary** must be set in boldface, not italicized, at the beginning of the first line. The text should be justified and separated 12pt from the key words, as shown in the first page of these instructions.

4 HEADINGS

4.1 Main headings

The main headings should be written left aligned, in 12pt, boldface and all capital Roman letters. There should be a 12pt space before and 6pt after the main headings.

4.2 Secondary headings

Secondary headings should be written left aligned, 12 pt, boldface Roman, with an initial capital for first word only. There should be a 12pt space before and 6pt after the secondary headings.

5 EDITORIAL HEADING

The first page has to include the Editorial Heading, as shown in the first page of these instructions. Successive pages will include the name of the authors.

6 TEXT

The normal text should be written single-spaced, justified, using 12pt (Times New) Roman in one column. The first line of each paragraph must be indented 0.5cm. There is not inter-paragraph spacing.

7 PAGE NUMBERS

In order to organize the creation of the Proceedings page number should not be included.

8 FIGURES

All figures should be numbered consecutively and captioned. The caption title should be written centred, in 10pt Roman, with upper- and lower-case letters.

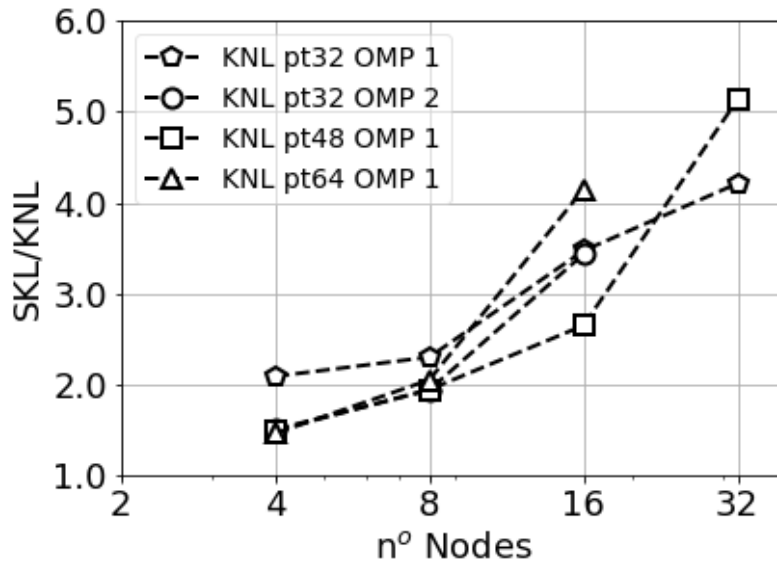


Figure 1: My example figure

A 6pt space should separate the figure from the caption, and a 12pt space should separate the upper part of the figure and the bottom of the caption from the surrounding text.

Figures may be included in the text or added at the bottom of the Abstract.

9 EQUATIONS

A displayed equation is numbered, using Arabic numbers in parentheses. It should be centred, leaving a 6pt space above and below to separate it from the surrounding text.

The following example is a single line equation:

$$Ax = b \quad (1)$$

The next example is a multi-line equation:

$$\begin{aligned} Ax &= b \\ Ax &= b \end{aligned} \quad (2)$$

10 TABLES

All tables should be numbered consecutively and include caption (10pt Roman, upper- and lower-case letters).

Table 1: Example of the construction of one table

C11	C12	C13
C21	C22	C23
C31	C32	C33
C41	C42	C43
C51	C52	C53

A 6pt space should separate the table from the caption, and a 12pt space should separate the table from the surrounding text.

11 FORMAT OF REFERENCES

References should be quoted in the text consecutively in square brackets [?, ?] and grouped together at the end of the Abstract in numerical order as shown in these instructions. The format has to follow the IEEE Transactions style, that is widely available in `BIBTEX` Download

12 CONCLUSIONS

Extended Abstracts for publication should be submitted electronically via the web page of the Conference before the deadline announced. They must be translated into Portable Document Format (PDF) before submission. The maximum size of the file is 2 MB.

REFERENCES

- [1] O. C. Zienkiewicz, R. L. Taylor, P. Nithiarasu, and J. Zhu, *The finite element method*, vol. 3. McGraw-hill London, 1977.
- [2] S. Idelsohn and E. Onate, “Finite element and finite volume, two good friends,” *Int. J. Num. Methods Eng*, vol. 37, pp. 3323–3341, 1994.