

Instruction for the preparation of camera-ready paper

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Abstract

This document provides the detailed instruction of how to prepare a two-page paper that will be published in the CMM-2009 conference proceedings entitled *Conference Papers* and on a CD-ROM. The complete paper including figures, tables, and references should have exactly 2 pages. The proceedings will be published in Portable Document Format (PDF). The authors are responsible for converting their papers to PDF. To fit all conference papers on one CD-ROM, a single PDF file cannot be larger than 2.0 MB. Papers which will not meet the formal requirements listed in the instruction will not be accepted. If you are not clear about any of the instructions or would like to get further information on formatting, please contact the organizers. The reviewed and accepted papers will be published without any changes.

Keywords: delamination, unilateral contact, variational inequalities, finite element method, evolutionary algorithms

1. Introduction

This is an instruction for authors which is written in the required form of a two-page paper for the CMM-2009 conference. The paper is expected to be written in grammatically correct and easily readable English. An author who is not proficient in English is kindly advised to take the help of a linguist before typing. The paper should be thoroughly checked for spelling mistakes.

2. Format

The paper must be written on paper size A4 (21.0 cm/29.7 cm). Text should be produced within the following dimensions: each column 8.2 cm wide with 0.6 cm middle margin, total width 17.0 cm and a maximum length of 23.5 cm. Paper margins must be equal on both sides and equal on the top and the bottom. Keep the stipulated length apart from the following two exceptions: (i) do not begin a new section directly at the bottom of a page, but transfer the heading to the top of the next column; (ii) you may exceed the length of the text area by one line only in order to complete a section of text or paragraph.

The usual text must be written with letter size 9 pt and single spacing. Unless stated otherwise, the font used must be Times-Roman. The words figure, reference and equation have to be abbreviated as Fig. 1, Eqn (2) and Ref. [3], unless they appear as the first word of a sentence. In this case they should be typed in full as Figure 1, Equation (2) and Reference [3]. When a problem is studied in a number of references, one can also refer to them by recalling [1, 2, 3]. Please be consistent in the use of punctuation, figures, capital letters and abbreviations, and in nomenclature and symbols. The author should take much care to make her or his short, two-page paper most communicative, clearly demonstrating the novelty of their idea, by making effective use of the space available.

2.1. Title

The title should be written in 12 pt boldface letters and centered. It begins 3.5 cm below the upper edge of the sheet. The title should be short and adequately reflect the paper contents. If a title is more than one line long, the lines of the title should be in single spacing.

2.2. Author

The author's name should include first name, middle initials (if any) and surname. The name(s) should be centered and 9 pt boldface letters should be used. The single space should be between the last text line of the title and the first text line of the author's name.

2.3. Affiliation

The author's affiliation should be written in 9 pt italic letters and centered. In case of many affiliations they may be numbered consecutively.

2.4. Abstract

The abstract and keywords should have horizontal lines at the top and at the bottom. Please, make the abstract short (max. 10 lines).

2.5. Keywords

The keywords should be written in 9 pt italic letters. Please, write not more than five terms, which will be used to compile the CD-ROM index.

2.6. Headings of sections

The headings should be written left aligned. The main headings should be written in 9 pt boldface letters and the secondary headings in 9 pt italic letters.

*Footnotes may appear on the first page only to indicate research grant, sponsoring agency, etc. These should not be numbered but referred to by symbols, e.g. *,+. The footnote text may be produced in a small font.

Table 1: Numerical results

	Horizontal displacements		Vertical displacements	
	Numerical	Analytical	Numerical	Analytical
Node A	1.001	1.000	4.001	4.000
Node B	2.002	2.000	5.002	5.000
Node C	3.003	3.000	6.003	6.000

2.7. Spacing

We normally recommend the use of single line spacing. However, when typing complicated mathematical text it is important to increase the space between text lines in order to prevent sub- and super-script fonts overlapping one another and making your printed matter illegible. If you are using a desktop publishing program make sure that your auto-adjust for interline spacing is suitably set to prevent overlapping but without leaving too much space.

3. Tables and figures

Tables and figures should be arranged within the text and placed close to their text reference. They should have a self-contained caption and be positioned in flush-left alignment with the text margin. One single line should separate a table or a figure from the caption.

3.1. Tables

Tables should be presented in the form shown in Table 1. Their layout should be consistent throughout. If tables do not fit into one column they may be placed across both columns in which case they should be placed at the top or at the bottom of a page.

Horizontal lines should be placed above and below table headings, above the subheadings and at the top of the table above any notes. Vertical lines should be avoided. The name of a table should appear above it. Captions should be numbered sequentially starting with number 1, i.e. Table 1: Numerical results.

3.2. Figures

All figures should be clearly displayed by leaving at least single line of spacing above and below them. When placing a figure at the top of a page, the top of the figure should be at the same level as the bottom of the first text line of other column.

All notations and lettering should be no less than 2 mm high. The use of heavy black, bold lettering should be avoided, as this will look unpleasantly dark when printed.

The name of a figure should appear below it. All figures must be numbered sequentially starting with number 1, e.g. Figure 1: Plot of a beam eigenfunction $u = u(x)$. Please ensure that all spelling and annotations (numbers, letters, symbols and captions) conform to their usage in the text. Colour figures cannot be included in their original form and will be reproduced in black and white.

4. Equations

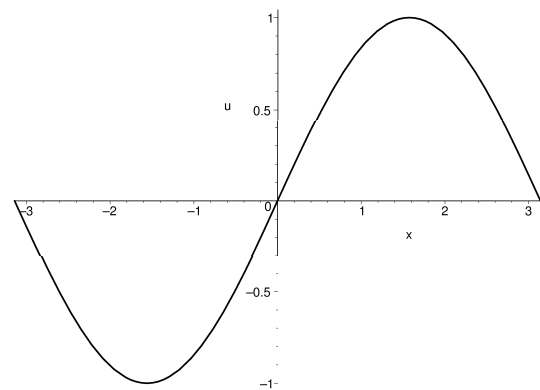
Equations should be placed flush-left with the text margin and should be preceded and followed by a 3 pt vertical space.

$$Ax^2 + Bx + C = 0 \quad (1)$$

In case of a multiline formula we can write

$$I_{\alpha+\beta_i}^j = \frac{-3}{ac} \left(\sqrt{(a+b)^2 + c^2} + \sqrt{(2a-b)^2 + c^2} + \sqrt{(2\beta_i - \alpha)^2 + c_j^2} \right) \quad (2)$$

If the formulae are numbered, make sure that they are numbered consecutively. Place the numbers in parentheses flush with the right-hand margin of the column and level with the last line of the equation. Please ensure that subscripts and superscripts are clearly legible. The meaning of the variables used should be given or clear from the context.

Figure 1: Plot of a beam eigenfunction $u = u(x)$

5. Page numbers

The CD-ROM edition of the conference proceedings will allow one to search the papers by the author's name or a key word. Pages of the paper must not be numbered, they will be numbered consecutively later within the proceedings *Conference Papers* by the editors.

References

- [1] Ainsworth, M. and Oden, J.T., A posteriori error estimation in finite element analysis, *Comput. Methods Appl. Mech. Engng*, 142, pp. 1-88, 1997.
- [2] Allix, O., Ladevèze, P. and Leveque, D., Towards a structural identification of delamination initiation and growth, *ECCM 8: Vol. 1: Composites in aerospace and aeronautics and applications, Proceedings of the 8th European Conference on Composite Materials*, Visconti I. C. Ed., Woodhead Publishing Ltd, Cambridge, Vol. 1, pp. 525-532, 1998.
- [3] Zienkiewicz, O.C. and Taylor, R.L., *The Finite Element Method*, Vol. 1: *The Basis*, fifth ed., Butterworth-Heinemann, Oxford, 2000.

The references given above are examples of the following types: 1) paper in a journal, 2) paper in a conference proceedings, 3) book. References should be collected at the end of your paper in alphabetical order according to the numeric sequential system. Each item in the list of references should be referred to in the text and quoted with numbers enclosed in brackets [1], [2], [3]. The references should be set in the following order: author's surname, initials, title, publication, volume, page range, year.