

Transaction of the ISME
Journal of Mechanical Engineering
(International Edition)

Instruction for the Preparation of Camera-Ready Papers

1 - Layout

The paper should be prepared on good quality white paper A4 (210×297) size and typed on one side. Use 12 pt Times Roman throughout, except for the cases stated below. The margins are 25mm from the edge of the page on all sides. Paragraph indentations are 5mm everywhere when required. Generate your printouts with laser printer adjusted for high quality text and graphic. Manuscripts generated with dot matrix printers are not acceptable. The text must be typed by Microsoft Word (97 or 2000 or XP) or Latex.

2 - Title

The title of the paper should not exceed 15 words. It should be typed in 18pt Times Roman starting 50 mm from the top page. The title should be centered on the page, and the longest line should not exceed 130 mm.

3 - Name and Affiliation

The author's name should consist of first and middle initials, followed by the last name. Set names in 14 pt Times Roman and center on the page. Names are positioned two line spaces below the last line of title. Affiliations should include: department or division, university or company, and city. Countries other than I. R. Iran should be included. Affiliations should be in 12 pt Times Roman. In case of two or more authors with the same affiliation, the names should follow the name of the first author on the name line. If the affiliations are different, a single or two-column layout may be used to accommodate the names and the affiliations, as appropriate.

4 - Abstract

The first line of the abstract begins 120 mm from the top edge of the page with no heading. The first line or any other part of the abstract should not be indented. The margins for the abstract are the same as those for the main body of the paper (see layout above). Write the entire abstract in one paragraph, single-spaced, using 12pt Times Roman (normal font). The abstract should not exceed 120 words.

5 - Keywords

Give the appropriate keywords in less than 8 words below the abstract and before the introduction. Leave one line spacing before and after the keywords line. Use 12 pt *italic* Times Roman for the heading Keywords and 12 pt regular Times Roman for the keywords themselves. For example,

Keyword: natural convection, heat, buoyancy, laminar flow, isotherms

6 - Introduction and Main Body

The introduction follows the keywords. The introduction and the main body of the paper should be set in 12 pt Times Roman regular font. The first line of each paragraph should be indented 5 mm, except for the first paragraph, which is set flush left with the left margin. The left and right margins of the page are 25 mm. The text is arranged in a single-column format and fully justified on the left and right margins. The headings are numbered, with number 1 assigned to introduction. The headings should be set in 12 pt Times Roman bold font, flush left with the left margin. There is no blank line between paragraphs. The spacing between the last line of each section and the next heading should be one blank line. There is also one blank line after each heading. Footnotes should be numbered successively using superscript numbers, typed with 10 pt Times Roman regular font, and arranged at the bottom of the page in which it first appears, flush left with the left margin.

7 - Acknowledgments

The heading should not be numbered. Use 12 pt Times Roman bold font for the heading and regular font for the text of the acknowledgments.

8 - References

References to the cited literature should be identified in the text in square brackets and listed at the end of the paper (after acknowledgments and before nomenclature) in order of numerical appearance. All references should be referred to in the text. Each reference should have the names of the authors, full title of the cited article, full title of the publication in which it appeared (do not use abbreviated titles), volume number, inclusive page numbers, and the year of publication. Single-spaced typing must be used, but leave one blank space between the last line of each reference and the first line of the next. Use 12 pt Times Roman. References should be styled and punctuated according to the examples below: journal article [1], book [2], thesis [3], report [4], proceedings [5], and edited book [6].

- [1] Bennon, W. D., and Incropera, F. P., "Developing Laminar Mixed Convection with solidification in a Vertical Channel," *ASME Journal of Heat Transfer*, Vol. 110, pp. 410-415 (1988).
- [2] Kays, W. M., and Crawford, M. E., "Convective Heat and mass Transfer," 3th, Edition, McGraw-Hill, New York, p. 245 (1993).
- [3] Karki, K. C., "A Calculation Procedure for Viscous Flows at All Speeds in Complex Geometries," Ph.D. Thesis, Department of Mechanical Engineering, University of Minnesota, Minneapolis (1986).

- [4] Walker, K. P., "Research and Development Program for Nonlinear Structural Modeling with Advanced Time-Temperature Dependent Constitutive relationships, "Report PWA-5700-50, NASA CR-165533 (1981).
- [5] Kermanpur, A., Varheram, N., and Davami, P., "Simulation of Solidification Behavior of Steel in Continuous Casting Process by Finite-Element Method," *Proceedings of the Steel Symposium 75*, pp. 210-219 (1996).
- [6] Leonard, B. P., "Elliptic Systems: Finite-Difference Method IV," in Minkowycz, W. J., Sparrow, E. M., Schneider, G. E., and Pletcher, R. H. (Editors), *Handbook of Numerical Heat Transfer*, Chapter 9, pp. 347-378, John Wiley, New York (1988).

9 - Nomenclature

All Symbols that appear in the paper should be defined in the nomenclature. English symbols come first with the Greek symbols to follow, all in alphabetical order. The nomenclature should be arranged in a two column format. The heading, set in 12 pt Times Roman bold font, is not numbered. Greek symbols have a separate heading, set in italic fonts as *Greek symbols*. Single-spaced should be used throughout.

10 - Appendixes

The appendices are placed after the nomenclature, typed single-spaced, and set in 12 pt Times Roman.

11 - Tables

Tables should be numbered consecutively and captioned. All tables should be referred to in the text. The captions should be 10 pt Times Roman regular fonts, placed above the table, left justified on the left margin of the table. Use bold font for the word Table and its number. The body of the table should be 10 pt Times Roman regular fonts. For example,

Table 1 Effect of grid size on shell thickness at $z=0.637$ m from meniscus.

n_x	n_y	δ_{2s} , mm	δ_{21} , mm	δ_{1s} , mm	δ_{11} , mm
25	7	13.7	21.4	17.4	23.5
25	15	13.7	21.5	16.8	21.3
50	15	14.8	19.6	16.8	21.3
50	20	14.7	19.5	16.3	21.0
100	15	14.3	18.6	16.7	21.3
100	30	14.3	18.7	15.9	19.7

12 - Figures

All figures should be generated by computer at high resolution and placed at the end of the paper after the tables. Use the figure graphics option of your word processor to place the figures in right position and avoid cut and past. Unnecessary enlargements or excessive size reductions of the figures should be avoided. Landscapes or foldouts are unacceptable. In general, several figures can be placed on a page. They should all be placed within the margins. The figures are captioned in 10 pt Times Roman and left justified on the left margin

and placed under the figure. Use bold font for the word Figure and its number. Numbers and symbols on graphs and diagrams should be clear and legible. Use common symbols and parameters for which a particular graph is made should be defined in appropriate space inside the graph margins. Parameters may also be defined in the figure captions. For example,

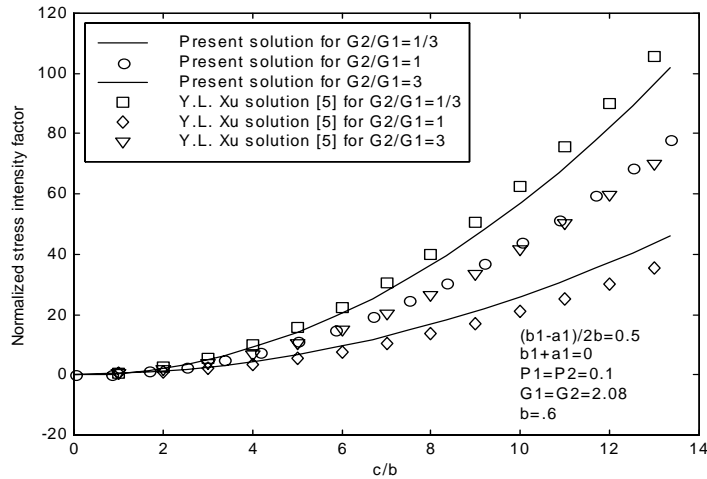


Figure 11 Effect of ring width variations on normalized stress intensity factor

13 - Photographs

The photographs should be clear, sharp, and black-and white glossy prints. They should be captioned like the figures.

14 - Units

The papers submitted to ISME journal must use SI units throughout. However, English units may be included parenthetically.

15 - Equations

All mathematical equations should be typed and centered within the margins of a page. They should be numbered consecutively as (1), (2), (3) ..., with the numbers flush right with the right margin. Equations are cited in the text as, for example, Eq. (12), or Eqs. (2)-(8).