USE OF A NESTED NUMERICAL SCHEME IN A SHALOW WATER MODEL FOR THE COAST OF BANGLADESH: INSTRUCTIONS FOR THE AUTHORS FOR PREPARING THEIR MANUSCRIPTS

G. D. Roy[1]

Department of Mathematics and Natural Science
BRAC University, 66 Mohakhali C/A
Dhaka – 1212, Bangladesh

and

A. B. M. Humayun Kabir

Department of Computer Science and Engineering
Shahjalal University of Science & Technology
Sylhet, Bangladesh

ABSTRACT

Detailed instructions for typing your article are given in the following. Since you have to send a camera-ready paper, you are personally responsible of the quality and appearance of your work. Please remember the following points in Particular: a) type upto 200 word abstract single column, b) use 9 pt Times New Roman font and single spaced lines for abstract, c) type the body of the paper in double columns, d) use 10 pt Times New Roman font and single spaced lines for body text, e) list of references in numerical order of appearance, f) supply good quality of figures and tables, g) the use of SI units is mandatory, h) no separate nomenclature, i) paper length should be limited to 10 pages, j) prepare the manuscripts in MS-WORD selecting US letter size paper (8.5″×11″), k) manuscripts should be submitted in DOS formatted 3.5″ FDD along with a hard copy or E-mail the manuscripts and post the hard copy.

Key words: five key words reflecting the contents and separated by commas are to be given.

I. INTRODUCTION

Paper should be prepared according to present instructions and printed on high quality A4 size white paper.

II. PAPER LENGTH

Paper including figures and tables, should be limited to 10 camera-ready pages. Please limit your paper by writing concisely, not reducing the figures to a size at which their labels are difficult to read. Use a light pencil to write the page number on the hard copy.

III. TYPING AND ORGANIZATION

A. Final size

The manuscripts will be printed by the offset printing process. The printed page will be approximately 95% of the original size. This should be accounted for when sizing small symbols and suffixes.

B. Typing

Prepare the manuscripts in MS-WORD selecting US letter size paper (8.5″×11″) and using Times New Roman font. Type the manuscript in double columns leaving 1″ as margin on all sides except at bottom where it should be 0.8″. Keep the minimum space (0.25″) between the columns. Type the text in Times New Roman 10 point single-spaced, justified.

Indent 0.5″ the first line of each paragraph except the first paragraph of each section. Do not leave any extra space between paragraphs.

---

[1] For all correspondence

C. Paper title and authors

The first page of each paper contains the title of the paper, the author's (authors') name(s) and address.
a) Begin typing the title from the top of the first page leaving 1.25″ as top margin, 1.5″ as left and right margins. Type the title centered, 12 pt Times New Roman boldface, in all capital letters with single line spacing. Run over lines of a long title should be centered.

Skip two lines (10 pt each) between the title and the first author.
b) Type author's name centered under the title, 11 pt Times New Roman boldface, in upper and lowercase letters.

Type author's address 10 pt *italic* face, in upper and lower case letters, single line spacing. Type the address centered.

D. Abstract

Begin your abstract (200 words maximum) skipping two lines (10 pt) from the author's address. Type the abstract single column leaving 1.5″ as left and right margins. The ABSTRACT heading must be 11pt Times New Roman.. Skip one line (10 pt) below the abstract. Then write the **Keywords:**

E. Organization

Use only two values of internal subheadings:
a) Type first-value heads, capitalize only the first letter of each major words, 11 pt boldface flush with left hand margin of the column. Put them on a line separate from the text, leaving one line space above and below the text (10 pt). You can number first-value heads, using single numbers.
b) For second-values heads, capitalize only the first letter of first words, 10 pt boldface. Also, put them on a separate line, leaving one line space above and below the text (9 pt). Double-number second-value heads.
c) Third-value heads should be avoided, if possible. If they are essential, type them as part of the following paragraph. Leave no space above and below the head, indent 0.5″, capitalize only the first letter of the head, italic the head, underline it, follow it by a full stop and then immediately by the text. Do not number third-value heads. Example:
First generation. The electronic computers characterized by extensive use of vacuum tubes came to be known as ……..

F. Header and footer

Use different header in odd and even pages except first one. In even pages write down the author's name and place them in right of the header. In odd pages write the key words of the title in right of the header.

IV. EQUATIONS, UNITS AND NOMENCLATURE

(1) Equations should be typed in equation mode. Allow no space above or below. Number the equations consecutively from Eq. (1) to the end of the paper. As shown in Eq. (1), enclose equation number in round parentheses and place them flush-right in the column.

$$\left(1+\varepsilon\theta\right)f''' + \varepsilon\theta'f'' + \left(\frac{3}{4}+\frac{\xi}{1+\xi}\right)ff''$$
$$-\frac{1}{2}f'^2 + \theta = \xi\left(f'\frac{\partial f'}{\partial \xi} - f''\frac{\partial f}{\partial \xi}\right) \tag{1}$$

When referring to an equation in the text write "Eq. (1)", except at beginning of the sentence, where "Equation (1)" should be used.
(2) The symbols used in the text should be defined at the time of first appearance along with dimensional symbols in SI units.

V. TABLES AND FIGURES

(1) Brief and descriptively title each table and caption each figure. Place table title above the table; place figure caption below the figure. Text and symbols must be clearly readable.
(2) Refer to each table and figure in the text. Place tables and figures in the order mentioned in the text, as close as possible to text reference.
(3) Allow one line space (10 pt) between the table or figure and the adjacent text.
(4) In general, tables and figures should not repeat data available elsewhere in the paper.
(5) Number consecutively with single numerals. (e.g., Figure 1, Figure 2, Table 1, Table 2)

A. Tables

(1) Tables can be placed in one column or may cover the whole width of the page leaving 1.5″ as left and right margins. If too wide to fit on the page, a table may be placed broadside (i.e. rotated 90 degrees, counterclockwise). Such a large table counts as one page in the quota allowed for each paper.

(2) Table footnote should be identified by lower case letters and placed at the bottom of the table.

B. Figures

(1) All figures should be clear, sharp and of high quality. Figures/ Photographs can be placed in one column or may cover the whole width of the page leaving 1.5″ as left and right margins.
(2) All figures should be submitted in different file other than text file as a duplicate copy.
(3) If the figures cannot be scanned into your paper, leave the appropriate amount of space and then paste the figures upon completion of your paper.
(4) Glossy prints, Photostats or reprints of drawings may be used if high quality with sharp, even lines and lettering.
(5) To denote the ordinates, a verbal description may be used: Heat transfer coefficient/ (W/Km^2)
or the symbol may be used: h/[W/Km^2]
(6) Photographs must be sharp black-and-white glossy prints. Continuous-tone photographs should not be pasted in place. They should be provided in final size as separated pieces and clearly identified. Leave a space for each photo on the typing paper large enough so that the photo can be introduced with some space to spare. Color photographs cannot be accepted.

VI. CONCLUSION

A conclusion of the study with brief description is to be outlined.

Acknowledgements

If fill necessary an author may provide acknowledgement to the paper.

REFERENCES

References to cited literature should be identified in the text in square brackets and grouped at the end of the paper in numerical order of appearance. Reference should be styled and punctuated according to the following examples: journal article [1], book [2], thesis [3], report [4] and proceedings [5].

[1] M. A. Hossain, H. S. Takhar: "Radiation effects on mixed convection along a vertical plate with uniform surface temperature" *Heat Mass Transfer,* **31**, pp 243-248. (1996)

[2] H. Schilichting: *Boundary layer theory*, 7th ed., pp 156. New York: McGraw-Hill. (1979)

[3] A. Hossain: *Unsteady flow and heat transfer of a viscous fluid with variable viscosity due to a rotating disc*. Ph. D. Thesis, Dept. of Mathematics, University of Dhaka, Bangladesh. (1999)

[4] T. Cebeci, K. Kaups, G. J. Mosinskis and J. A. Rehn: Some problems of the calculation of three-dimensional boundary layer flows on general configurations. NASA reports CR-2285. (1973)

[5] M. A. Hossain and M. S. Munir: Mixed convection flow from a vertical plate with temperature dependent viscosity. *Proceedings of Mini-Workshop on Applied Mathematics*, 1-3 September 1998, SUST, Sylhet, pp 63-74. (1998)

Always give inclusive page numbers for references to journal articles and a page or chapter number for books. Each reference must be cited in the text.

_____

APPENDIX

A. Permissions

You are responsible for making sure that you have the right to publish everything in your paper. If you use material from copyright source, you may need to get permission from the copyright holder. You need to seek permission to use a figure or table if it has not been changed in any substantive way from the original or if it does not plot or compile data readily available to anyone. You need to seek permission to quote material if you use it in a way competitive with the original material, that is, if you use of the material that may harm the rights of the original publisher and/or author. The criterion holds true regardless of the length of the quote. If the quoted materials are not used competitively, you need only to cite the original source.

B. Assistance

For any question or problem concerning typing and organization of the paper please contact
Professor Mofiz Uddin Ahmed
Department of Mathematics and Natural Science, BRAC University, Dhaka 1212, Bangladesh
Email: mofiz@bracuniversity.ac.bd