

A SAMPLE DOCUMENT

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ABSTRACT. This is a sample input file for L^AT_EX2.09 and L^AT_EX2e. Comparing it with the output it generates can show you how to produce a simple document of your own. Please study the enclosed materials before beginning the final preparation of your paper. Proofread your paper carefully before submitting (as it will appear in the published volume in exactly the same form). Begin your paper with an Abstract of no more than 18 lines. Please thoroughly summarize your article in this section since this text will be used for on-line listing and classification of the publication.

1 INTRODUCTION

The document style presented here is to be used for submissions of articles to the Journal of Mathematical Modelling and Scientific Computing¹. Text should be produced within the dimensions shown on these pages and in Fig. 1, and should be **right/left justified**. Print your papers in single-sided format on standard size white paper (A4 or 8- $\frac{1}{2}$ x11"). For either paper size, the print area should be no larger than **8.75" mm** (length) x **5.75"** (width). On each page of the manuscript, position the print area **0.75" from the top** and **1.25" from the left** edge of the paper. Make use of the maximum stipulated length except for the following cases, (a) do not begin a new section at the bottom of a page, transfer the heading to the top of the next page, (b) you may exceed the text area by one line in order to complete a section of text or a paragraph.

2 TEXT FORMAT

The title should be in boldface letters centered across the top of the first page using 12-point type. Full capitals only for the title. Insert a blank line after the title, followed by Author Name(s), centered and in 9 point non-bold all caps type. The Affiliation(s) are to be written in centered and in 9 point non-bold type. The paper begins with the abstract and keywords as illustrated, followed by the Main Text.

2.1 Fonts and Spacing. Times or Times Roman is the recommended typeface for the main text using 10-point type. The smallest allowed type size for all text, figures, captions, references and within figures is 10-point. See Table 1 for a complete summary of Font formats. Single (1.0) line spacing is recommended for the main text, 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.

2.2 Section and Sub-section Headings. Section headings should be 12 point capital letters, centered and numbered sequentially. Sub-section heading require initial capitals using

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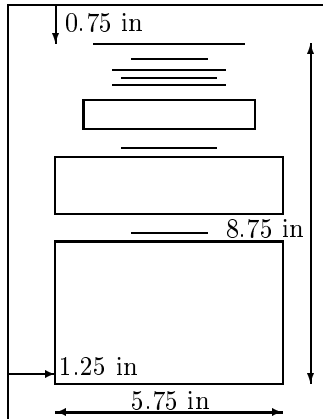


Figure 1: Formatting dimensions for manuscripts

boldface and left justification. All headings should appear on separate lines as demonstrated above.

2.3 Manuscript. The manuscript should be printed on 60# white, hard finish paper (European 89 gsm), preferably using a laser printer. Use black print and ink for all text and mathematical symbols. The printout must be an original copy. To achieve optimal reproduction quality, the contrast of text lettering must be uniform, sharp, and dark over the entire page and throughout the article. Be sure the final page is clean and can be easily handled without smearing.

2.4 Page numbers. Each page should be marked on the back side, using a light pencil, with the last name of the first author and with a page number.

2.5 References. References should be collected at the end of your paper. They should be prepared according to a recognized style, e.g. the Harvard or sequential numeric system making sure that your accumulated list corresponds to the citations made in the main text and that all material mentioned is generally available to the readers. When referring to them in the text, type the corresponding reference number in square brackets as in this example [1].

3 TABLES AND ILLUSTRATIONS

Tables and illustrations should be originals or sharp prints. Place figures and tables center justified at the top or at the bottom a page. The figures and tables should not extend into the margins, and should have a self-contained caption (placed above for tables) which is center justified as illustrated in Fig. 1 and table 1.

Using your word processing software, photographs and line drawings can be scanned, sized and integrated into the manuscript, however, the resolution needs to be 600 dpi or equivalent. If figures cannot be integrated electronically, they should be attached to your manuscript page, correctly aligned, with rubber cement or spray adhesive (*do not use water-based glue or transparent tape*). All lettering should be 10-point type or larger.

Figures and Tables should be sequentially numbered. Figure captions should centered below the figure and use the same type and size font as regular text. Table captions should be centered above the table and use the same type and size font as regular text. A single line should be skipped both before and after all captions.

Table 1: Formatting summary for manuscripts

	Style	Size	Justified
TITLE	BOLD	12	CENTER
AUTHORS	SMALL, ALL CAPS	9	CENTER
Affiliation	Small	9	Center
SECTION	ALL CAPS	12	CENTER
Subsection	Bold.	10	Left.
Main Text	Normal	10	Left/Right
Captions	Normal	10	Center
Figure Text	Normal	10	N.A.

4 EQUATIONS

Equations must be centered on the page (see Eq. 1), and should be preceded and followed by one line of white space.

$$\frac{ih}{2\pi} \frac{\partial \Psi}{\partial t} = -\frac{h^2}{8\pi^2 m} \Delta \Psi + U(x, y, z, t) \Psi \quad (1)$$

Make sure that they are numbered consecutively. Place numbers in parentheses flush with the right-hand margin of the page and level with the last line of the equation, as for Eq. 2.

$$\begin{aligned} M_a &= D \left\{ 2a \tan(\gamma) \ln \left[1 - \frac{R}{a} \cos(\gamma) \right] - 2\gamma a \right\} \Bigg|_{\gamma_1}^{\gamma_2} \\ &+ D \left\{ \arctan \left[\left(\frac{a+R}{a-R} \right)^{\frac{1}{2}} \tan\left(\frac{\gamma}{2}\right) \frac{4a^2 - 2R^2}{a^2 - R^2} \right] \right\} \Bigg|_{\gamma_1}^{\gamma_2} \end{aligned} \quad (2)$$

5 CONCLUSION

The L^AT_EX source file, and the associated style file used for the edition of this document are available for download on the World Wide Web from the IAMCM home page whose URL is <http://www.iamcm.org>.

ACKNOWLEDGMENTS

The Acknowledgments are given using a section* command so that it is not numbered as regular section.

REFERENCES

- [1] P. Timoshenko and A. Woinowski-Krieger, *Theory of Plates and Shells*, McGraw-Hill, pp. 415-428, 1959.
- [2] A.N. Author, *Title*, Journal, Volume, Pages, Year.
- [3] D. Snow, M. Major and L. Green, *Microelectronic Engr.* Vol. 30, pp. 969-976, 1996.