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Instructions for Typesetting Manuscripts Using \LaTeX *

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The abstract should summarize the context, content and conclusions of the paper in less than 200 words. It should not contain any references or displayed equations. Typeset the abstract in 8 pt Times Roman with baselineskip of 10 pt, making an indentation of 1.5 pica on the left and right margins.

Keywords: Keyword1; keyword2; keyword3.

1. General Appearance

Contributions to the *International Journal on Artificial Intelligence Tools* will mostly be processed by using the authors' source files. These should be submitted with the manuscripts, and resubmitted in the final form if a paper requires revision before being accepted for publication.

2. The Main Text

Contributions are to be in English. Authors are encouraged to have their contribution checked for grammar. American spelling should be used. Abbreviations are

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allowed but should be spelled out in full when first used. Integers ten and below are to be spelled out. Italicize foreign language phrases (e.g. Latin, French).

The text should be in 10 pt Roman, single spaced with baselineskip of 13 pt. Text area (excluding copyright block and folio) is 6.9 inches high and 5 inches wide for the first page. Text area (excluding running title) is 7.7 inches high and 5 inches wide for subsequent pages. Final pagination and insertion of running titles will be done by the publisher.

3. Major Headings

Major headings should be typeset in boldface with the first letter of important words capitalized.

3.1. *Sub-headings*

Sub-headings should be typeset in boldface italic and capitalize the first letter of the first word only. Section numbers to be in boldface Roman.

3.1.1. *Sub-subheadings*

Typeset sub-subheadings in medium face italic and capitalize the first letter of the first word only. Section numbers to be in Roman.

3.2. *Numbering and spacing*

Sections, sub-sections and sub-subsections are numbered in Arabic. Use double spacing before all section headings, and single spacing after section headings. Flush left all paragraphs that follow after section headings.

3.3. *Lists of items*

Lists may be laid out with each item marked by a bullet:

- item one,
- item two.

Items may also be numbered in lowercase Roman numerals:

- (i) item one,
- (ii) item two.

- (a) Lists within lists can be numbered with lowercase Roman letters,
- (b) second item.

4. Equations

Displayed equations should be numbered consecutively in each section, with the number set flush right and enclosed in parentheses

$$\mu(n, t) = \frac{\sum_{i=1}^{\infty} 1(d_i < t, N(d_i) = n)}{\int_{\sigma=0}^t 1(N(\sigma) = n) d\sigma}. \quad (1)$$

Equations should be referred to in abbreviated form, e.g. “Eq. (1)” or “(2)”. In multiple-line equations, the number should be given on the last line.

For multiline equations, prefer using `align` or `align*` instead of `eqnarray`.

$$\begin{aligned} g(x) &= \sum_{k=1}^N y_k g(x_k) \\ &= \sum_{k=1}^N y_k \sum_{l=1}^M b_{kl} w_l \\ &= \sum_{k=1}^N \sum_{l=1}^M b_{kl} y_k w_l \end{aligned} \quad (2)$$

Displayed equations are to be centered on the page width. Standard English letters like `x` are to appear as *x* (italicized) in the text if they are used as mathematical symbols. Punctuation marks are used at the end of equations as if they appeared directly in the text.

Theorem 4.1. Theorems, lemmas, etc. are to be numbered consecutively in the paper. Use double spacing before and after theorems, lemmas, etc.

Lemma 4.1 (Optional Head). *Theorems, lemmas, definitions, etc. are set on a separate paragraph, with extra 1 line space above and below. They are to be numbered consecutively within each section.*

Proof. The word ‘Proof’ should be typed in boldface. Proofs should end with a box. □

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Figures are to be inserted in the text nearest their first reference. If the author requires the publisher to reduce the figures, ensure that the figures (including letterings and numbers) are large enough to be clearly seen after reduction. If photographs are to be used, only black and white ones are acceptable.

Figures are to be sequentially numbered in Arabic numerals. The caption must be placed below the figure. Typeset in 8 pt Times Roman with baselineskip of 10 pt. Use double spacing between a caption and the text that follows immediately.

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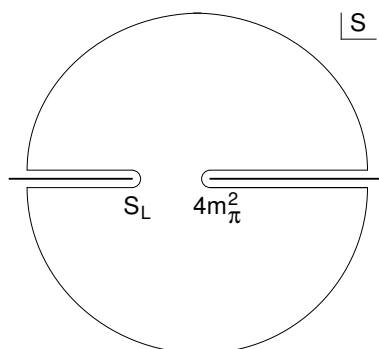


Fig. 1. SDOF system with viscous damping.

6. Tables

Tables should be inserted in the text as close to the point of reference as possible. Some space should be left above and below the table.

Tables should be numbered sequentially in the text in Arabic numerals. Captions are to be centralized above the tables. Typeset tables and captions in 8 pt Times Roman with baselineskip of 10 pt.

Table 1. Comparison of acoustic for frequencies for piston-cylinder problem.

Piston Mass	Analytical Frequency (Rad/s)	TRIA6- S_1 Model (Rad/s)	% Error
1.0	281.0	280.81	0.07
0.1	876.0	875.74	0.03
0.01	2441.0	2441.0	0.0
0.001	4130.0	4129.3	0.16

Note: Table notes.

If tables need to extend over to a second page, the continuation of the table should be preceded by a caption, e.g. “Table 2. (*Continued*)”

7. Footnotes

Footnotes should be numbered sequentially in superscript lowercase Roman letters.^a

References

References in the text are to be numbered consecutively in Arabic numerals, in the order of first appearance. They are to be cited as superscripts without parentheses or

^aFootnotes should be typeset in 8 pt Times Roman at the bottom of the page.

brackets after punctuation marks like commas and periods but before punctuation marks like colons, semi-colons and question marks. Where superscripts might cause ambiguity, cite references in parentheses in abbreviated form, e.g. (Ref. 2).

Acknowledgments

This section should come before the References. Funding information may also be included here.

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Appendix A. Appendices

Appendices should be used only when absolutely necessary. They should come after the References. If there is more than one appendix, number them alphabetically. Number displayed equations occurring in the Appendix in this way, e.g. (A.1), (A.2), etc.

$$\mu(n, t) = \frac{\sum_{i=1}^{\infty} 1(d_i < t, N(d_i) = n)}{\int_{\sigma=0}^t 1(N(\sigma) = n) d\sigma}. \quad (\text{A.1})$$

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