

International Journal of Modern Physics E
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INSTRUCTIONS FOR TYPESETTING MANUSCRIPTS USING COMPUTER SOFTWARE*

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

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

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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.

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- (i) item one
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3. 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.

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

Proof. Proofs should end with □

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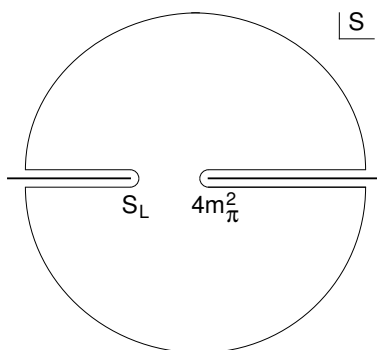


Fig. 1. A schematic illustration of dissociative recombination. The direct mechanism, $4m_\pi^2$ is initiated when the molecular ion S_L captures an electron with kinetic energy.

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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4 *Authors' Names*

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^aTable footnote A^bTable footnote B

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)*”

6. References

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References are to be listed in the order cited in the text. Use the style shown in the following examples. For journal names, use the standard abbreviations. Typeset references in 9 pt Times roman.

7. Footnotes

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

Acknowledgements

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

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.

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

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

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6. P. F. Marteau and H. D. I. Arbabanel, “Noise reduction in chaotic time series using scaled probabilistic methods”, UCSD/INLS preprint, October 1990.