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INSTRUCTIONS FOR TYPESETTING MANUSCRIPTS USING COMPUTER SOFTWARE*

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Keywords: Keyword1; keyword2; keyword3.

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2 Authors' Names

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

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3. Major Headings

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

- item one,
- item two.

Items may also be numbered in lowercase roman numerals:

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

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

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

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Figures are to be inserted in the text nearest their first reference. Original india ink drawings of glossy prints are preferred. Please send one set of originals with copies. 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.

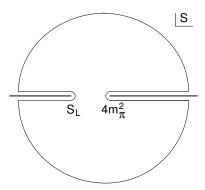


Fig. 1. A schematic illustration of dissociative recombination. The direct mechanism, $4m_{\pi}^2$ is initiated when the molecular ion S_L captures an electron with kinetic energy.

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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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

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. References

References in the text are to be numbered consecutively in Arabic numerals, in the order of first appearance. They are to be typed in superscripts after punctuation marks, e.g.

- (1) "... in the statement. 5 "
- (2) "... have proven⁵ that this equation ..."

This is done using the command: "\cite{name}".

When the reference forms part of the sentence if should not be superscripts, e.g.

- (1) "One can deduce from Ref. 5 that ..."
- (2) "See Refs. 1–3, 5 and 7 for more details."

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8. Footnotes

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

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

Acknowledgements

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

Appendix A. Heading of Appendix

Appendices should be used only when absolutely necessary. They should come before 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),

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

Appendix B. Heading of Another Appendix

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.

Appendix C. Standard Abbreviations

Here are some guidelines:

- (a) Do not abbreviate the first word of any sentence:
 - "Figure 2 shows us"
- (b) Some abbreviation:
 - 'figure' = 'Fig.'
 - 'figures' = 'Figs.'
 - 'equation ' = 'Eq. '
 - 'equations ' = 'Eqs.'
 - 'Section 5' = 'Sec. 5'
 - 'Sections 5 and 6 ' = 'Secs. 5 and 6 '
 - ' for example ' = ' e.g. '

Note that the first letter is capitalized. There is also a dot.

- (c) When it is not appropriate, DO NOT abbreviate. Hence the word 'Table' is not abbreviated. We also do not write 'Eq. of motion'.
- (d) Depends on authors' preference, sometimes 'Eq. 'and 'Eqs.' are not used at all because it is understood that it is an equation. For example,

We can see a summation and an integration in (A.1).

Appendix D. Single Quotation and Double Quotations

Use double quotation when possible so that there are fewer mix-ups with differentiation and 'prime'. For quotation within a quotation you may use the single-quotation.

6 Authors' Names

Open-quotation ' is located at the top left-hand corner of the keyboard. Closequotation ' is near the ENTER-key of the keyboard.

References

- 1. J. Callaway, *Phys. Rev.* **B35**, 8723 (1987).
- 2. M. Tinkham, Group Theory and Quantum Mechanics (McGraw-Hill, New York, 1964).
- 3. T. Tel, in Experimental Study and Characterization of Chaos, ed. Hao Bailin (World Scientific, Singapore, 1990), p. 149.
- 4. P. P. Edwards, in Superconductivity and Applications Proc. Taiwan Int. Symp. on Superconductivity, ed. P. T. Wu et al. (World Scientific, Singapore, 1989), pp. 29–35.
- 5. W. J. Johnson, Ph.D. Thesis, Univ. of Wisconsin, Madison, 1968.
- 6. P. F. Marteau and H. D. I. Arbabanel, "Noise reduction in chaotic time series using scaled probabilistic methods", UCSD/INLS preprint, October 1990.
- 7. J. I. Katz, "The Ptolemaic Gamma-Ray Burst Universe", astro-ph/9204003.