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INSTRUCTIONS FOR TYPESETTING MANUSCRIPTS USING L^AT_EX*

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The abstract should summarize the context, content and conclusions of the paper in less than 100 words. It should not contain any reference citations or displayed equations. Typeset the abstract in 8 pt roman with baselineskip of 10 pt, making an indentation of 18 pt on the left and right margins.

Keywords: Keyword1; keyword2; keyword3.

1. The Main Text

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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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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- fourth item in the second level
- third item in the first level
- fourth item in the first level

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 - ii. Second item in the third level
 - iii. Third item in the third level
 - (iii) Third item in the second level
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- (3) third item in the first level
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3. Equations

Displayed equations should be numbered consecutively, with the number set flush right and enclosed in parentheses. The equation numbers should be consecutive within the contribution

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

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.

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Theorem 4.1. *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 the contribution.*

The citation command can be used as a cross-link for theorem declaration, see Theorem 4.1 and Lemma 4.2.

4 Authors' Names

Lemma 4.2. *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 the contribution.*

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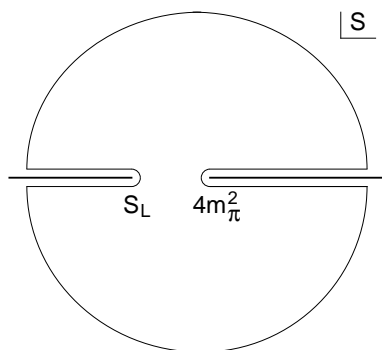


Fig. 1. A schematic illustration of dissociative recombination. The direct mechanism, $4m^2_\pi$ is initiated when the molecular ion S_L captures an electron with kinetic energy.

Figure 1 are to be sequentially numbered in Arabic numerals. The caption must be placed below the figure. Typeset in 8 pt roman with baselineskip of 10 pt. Long captions are to be justified by the “page-width”. Use double spacing between a caption and the text that follows immediately.

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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 1. (Continued)*”. Notes to tables are placed below the final row of the table and should be flushleft. Footnotes in tables should be indicated by superscript lowercase letters and placed beneath the table.

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8. Footnotes

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

Acknowledgments

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 roman at the bottom of the page.

References

The references section should be labeled “References” and should appear at the end of the paper. Authors should follow a consistent format for the reference entries. For journal names, use the standard abbreviations. An sample format is given in the following page:

Citations in Text

Since the references are unnumbered, citations to them in the text must identify them by authors' names and year of publication. References should be cited in text in square brackets by giving the last name of the author and the date of publication, e.g. [Wong (1989)]. A comma should be present before the date. For papers by two authors, the last names are joined by “and” e.g. [Al-Hussaini and Abd-El-Hakim (1989)]. Papers by three and more authors should be cited by giving the last name of the first author followed by *et al.* and the date (note that *et al.* is in italics and that a period follows the abbreviation al.).

References are given in brackets unless the author's name is part of the sentence, e.g. “the a-model [Gupta *et al.* (1997)]” but “according to Gupta *et al.* [1997].” If a citation cites two or more papers, they should be separated by a semicolon: [Gurland and Sethuraman (1994); Wong (1989)]. If two or more papers by the same author(s) are cited together, the author(s) should be listed once, with the dates of the papers separated by a semicolon: (Gurland and Sethuraman, 1994; 1995). Papers by the same author(s) published in the same year should be distinguished by appending a, b, c, etc., to the date: e.g. (Gupta and Akman, 1995a; 1995b).

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