

## NOTES FOR CONTRIBUTORS AND SUBSCRIBERS

### 1. Publications Scheme

Indian Journal of Physics is published monthly, containing 12 regular issues in a year, from January to December. Starting from January 2009, Indian Journal of Physics is being co-published with Springer. Along with hyperlinks with other relevant sites, Springer provides access to the journals' content worldwide in an on-line full-text database on SpringerLinks ([www.springerlink.com](http://www.springerlink.com)). Springer also distributes print version of the journal outside India.

### 2. Scope

Astrophysics, Atmospheric & Space Physics / Atomic & Molecular Physics / Biophysics / Condensed Matter & Material Physics / General & Interdisciplinary Physics / Nonlinear Dynamics & Complex Systems / Nuclear Physics / Optics & Spectroscopy / Particle Physics / Plasma Physics / Relativity & Cosmology / Statistical Physics

### 3. Refereeing

All contributions submitted are refereed. The Board of Editors reserve the right to reject manuscript and to edit a contribution whenever / wherever necessary.

### 4. Publication Speed

Normally the contributions are published within six months of the acceptance. In order to keep delays to a minimum, it is of utter importance for the authors to follow '**Preparation of Manuscripts**' (see below) strictly, before submission of the manuscript. Also the revised version (in the light of referee's comments) of the paper should be returned **within a fortnight of the date of receipt**. 'Rapid communications' are published within 3 months of the date of acceptance.

### 5. Preparation and Submission of Manuscripts

The followings are the requirements which should be met before submission of the manuscripts to Indian Journal of Physics.

**Manuscript should be submitted only through our on-line submission system ([www.editorialmanager.com/injp](http://www.editorialmanager.com/injp)) mentioning the field / area of research and a list of three possible reviewers. A list of Keywords and PACS numbers must be provided during submission. Authors are also requested to mention the section along with sub-section under which their paper should be placed.**

#### (i) Manuscript

The manuscript for a **Full Paper** should be sent as PDF document to be uploaded through [www.editorialmanager.com/injp](http://www.editorialmanager.com/injp), with double spacing and (Single Column). The title page should contain title, Author(s), Address(es), Abstract, Keywords, PACS Nos. and E-mail of Corresponding Author. The main text should start on a new page. All pages should be numbered. The paper must be divided into sections starting preferably with 'Introduction' and ending with 'Conclusions'. The main sections should be numbered as 1, 2, 3, *etc.* and the subsections as 2.1, 2.2, 2.3 *etc.*

**Rapid communication** is devoted to the announcement of timely and very important results. Contributions to this and **Note** sections should not exceed 8 typed pages (double spaced), including figures, equations, tables and references. They should follow the same style and format as the full paper except that they need not be divided into sections.

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The **Review Article** in frontier topics must be prepared as per format of the full paper. The plan of the article and short bio-data of the reviewers, must be sent along with the review article.

Manuscripts of the **Proceeding** may be submitted (after being refereed and properly edited by the Convener/Guest Editor) in a CD. A prior approval from the Board of Editors is, however, required for its publication.

Net amount charged for publication of Proceeding of 100 pages (or part thereof) is Rs. 50,000-00 only which includes free copies to the participants (not exceeding 100).

**(ii) Title**

The title should be brief and yet convey to the informed reader, the particular nature of the contents of the paper.

**(iii) Address**

The Name(s) of the author(s) and address(es) of the institute where the research work was done, should be indicated. The name of the author to whom correspondence is to be addressed, should be marked. The present address(es) of the author(s), if it is different, may be given as a *foot note*. E-mail address of the corresponding author must be provided.

**(iv) Abstract**

An abstract of less than 200 words is required. It should contain the essence of the result achieved.

**(v) Keywords and PACS numbers**

Appropriate **Keywords** and **PACS Nos.** (*Physics and Astronomy Classification Scheme of American Institute of Physics*) (not more than six) must be provided for indexing and information retrieval services. PACS is available online (<http://www.aip.org/pacs/>).

**(vi) Section**

The author must mention the section along with sub-section under which the article should be placed.

**(vii) Text**

In the preparation of text, the authors should pay attention to the language (usage of words, grammar and construction of sentences), logical presentation, enumeration of assumptions made, justifications of approximations made *etc.* and all the limitations must be stated whenever and wherever necessary. Moreover, a paper must be self-contained, its presentation being clear, concise and satisfactory. Electronic files (doc., pdf) must be submitted online.

**(viii) Figures**

The number of figures should be kept to the minimum. Each figure must be referred to in the text, be numbered and have a caption. The captions should be typed on a separate sheet. Axes of figures must be labelled properly. The letterings as well as the essential details be inserted in the submitted copies. Waste space at the top and bottom should be avoided. Electronic files for the text (doc. Files) and for the figures (Post Script Files) are to be submitted online.

**(ix) Tables**

Tables should be typed on separate sheets and each table should have a number and a self-explanatory title. Column headings of tables should be brief. Footnotes to the tables, if any, should be identified by superscript letters and placed at the bottom of the Table. Papers that include extensive tabular material or appendices, which may be of interest to relatively few readers may be avoided, unless extremely essential to explain the subject matter.

**(x) Formulae**

Displayed formula should be numbered; typed and unambiguously. Vectors, special symbols, superscript and subscripts *etc.* should be identified with proper signs in the manuscript. Long equations should be avoided as much as possible, by introduction of suitable abbreviations of component expressions. The 'exp' form of complex exponential functions [**Exp (-kr)** instead of **e-kr**], fractional exponents instead of root signs [ $x^{1/2}$  instead of  $\sqrt{x}$ ] and solidus (/) for fractions [ $a/b$  instead of  $a-b$ ] are preferable. International conventions in the choice of symbols, units and notations should be followed.

**(xi) References**

All references referred to text, tables and figures of a manuscript must be combined in a single list, numbered consecutively in their order of first appearance in the text and arranged in the same order at the end of the text material. They should be cited in text by Arabic numerals in square brackets at appropriate places of a sentence, for example [1-5] *etc.* The references cited should be limited to the absolute minimum and the list to be submitted in a separate sheet containing names of all authors ('*et al*' is not allowed). They should be as complete as possible and be presented as follows :

- [6] B J Ramshaw *Nature Phys.* **7** 234 (2011)
- [7] M Kesden and S Hanasoge *Phys. Rev. Lett.* **107** 111101 (2011)
- [11] C G Torre *Symmetric Criticality in Classical Field Theory* AIP Conf. Proc. **1360** (eds.) C Herdeiro and R Picken (Portugal: AIP) p 63 (2011)
- [16] K C Fan and C L Liu (Taiwan, to be published) (2011)
- [17] R S Chauhan, P Singh and C P Singh *Indian J. Phys.* **85** 421 (2011)
- [18] HMI-AIA Joint Science Operations Center, <http://jsoc.stanford.edu/>. (2011)
- [19] S O Reilly (Private Communication: Dublin Airport Authority) (2010)
- [25] L V Prokhorov and S V Shabanov *Hamiltonian Mechanics on Gauge Systems* (UK : Cambridge University Press) (2011)
- [34] J J Sakurai and J Napolitano *Modern Quantum Mechanics*, 2<sup>nd</sup> edn. (San Francisco: Addison-Wesley) Chapter 3, Section 3.8 (2005)
- [106] M Lambacher PhD Thesis (Ludwig-Maximilians-Universität München, Germany) (2007)

**(xii) Footnotes**

As far as possible, footnotes should be avoided.

**(xiii) Appendices**

All appendices should be numbered consecutively and typed on separate sheets.

**Manuscripts which do not conform to these conventions are returned to the authors before processing for publication.**

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## 6. Reprints

No order for reprints of the article will be accepted.

**A Complimentary copy of the Journal will be sent to the Corresponding Author, free of charge.**

## 7. Corrections and Modifications

Authors are requested to exercise utmost care in preparation as well as scientific editing of manuscripts so that there is little need to incorporate alterations at the Final stage. Extensive modifications at this stage are not allowed. Name/s and address/es of new author/s will not be allowed to be incorporated in the Final stage.

## 8. Correspondence

All correspondences regarding the manuscripts should be sent through on-line /e-mail : *editor@iacs.res.in; ijp@iacs.res.in; ijpsn@iacs.res.in* , *Indian Journal of Physics, Indian Association for the Cultivation of Science, Jadaupur, Kolkata-700 032, India* with the paper concerned INJP reference number.

## IMPORTANT INSTRUCTIONS TO THE CONTRIBUTORS

The authors are requested to include the following important information by on-line submission the papers to Indian Journal of Physics through *www.editorialmanager.com/injp*.

- (i) *The mailing address of the Corresponding Author with E-mail, Fax and Phone Nos.*
- (ii) *A list of Potential Referees with postal and e-mail addresses for the submitted Manuscript.*
- (iii) *The specific Field under which the Manuscript is to be placed.*
- (iv) *Whether the Manuscript should be published as (a) Review, (b) Full paper, c) Short note, (d) Rapid communication.*
- (iv) *Justification if the Manuscript is to be published as a Rapid Communication.*
- (v) *The specific Keywords and PACS Nos. should be mentioned below the Abstract in the Manuscript.*
- (vi) *The References must be relevant and recent as far as possible.*

## 9. SUBSCRIPTIONS

**International Subscriptions** are processed by Springer (www.springer.com). The Americas (North, South and Central) : journals-ny@springer.com. Outside the Americas : subscriptions@springer.com

All correspondence regarding **Subscription within India** should be addressed to the *Assistant Registrar-I, Indian Journal of Physics, Indian Association for the Cultivation of Science, Kolkata-700 032, India,*  
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The payment should be received within 31st December, 2011 for the Subscription of Volume 86 (2012), Nos. 1 to 12, January to December, 2012. Please note that if the payment is not received within 31st December of each year, extra postal cost of Rs. 50-00 for each issue shall have to be paid by the Subscriber. Please also note that each issue of the journal will be sent to the Subscriber by ordinary Book-Post and IJP Section will not be responsible for loss of any issue/issues during postal transition. However, each issue will be sent by Speed Post, if the Subscriber add to the annual subscription an extra Speed Post cost of Rs. 500-00 and Rs. 50-00 for single issue.

Please be noted that the supply of journal for Volume 86 (2012) will commence on receipt of subscription fee, in advance as stated above.

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