

Frontiers of computer science

Instruction for authors

Firstname, LASTNAME (✉) ^{1,2}

1 Higher Education Press, Beijing 100029, China

2 Academic Journal Division, Beijing 100029, China

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Abstract A short abstract of up to 300 words written in one paragraph, clearly indicating the object and scope of the paper as well as the results achieved, should appear on the first page. It should be written using the abstract environment.

Keywords up to 8 words separated by commas

1 Introduction

Frontiers of Computer Science is an international peer-reviewed academic journal sponsored by the Ministry of Education of China. The journal is jointly published by Higher Education Press of China and Springer on a bimonthly basis in English. Online versions of all the contents are available through both <http://www.springerlink.com/content/11704> and <http://journal.hep.com.cn/fcs>.

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The following categories of papers can be submitted to the journal:

- RESEARCH articles describing original investigations relevant to Computer Science;
- REVIEW articles giving an in-depth overview of certain topic or a review of one's own work or one laboratory or a group of researchers;
- EDITORIALS providing overview on certain topic written by well known scientists in the field.

2 Manuscript preparation and submission requirements

2.1 Manuscript submission

Authors are encouraged to submit their papers electronically via the online submission system

(<http://mc.manuscriptcentral.com/hepfc>). The web site guides authors stepwise through the creation and uploading of the various files. When you first submit your paper, please upload the PDF file. When your paper is accepted, you will be required to send the original source files. All correspondence, including the editor's decision and request for revisions, will be by e-mail. After reviewing process, the manuscript will be finally judged by one of the editors and the EIC who have the right to accept or reject a paper.

2.2 Submission requirements

2.2.1 Cover letter

A covering letter must accompany each submission indicating the name, address, and telephone number of the author to whom all correspondence is to be addressed. An affiliation must be supplied for each author. Authors are also asked to provide the names and contact information for four potential referees in their cover letter. However, the journal is not obliged to use the suggested reviewers. Final selection of reviewers will be determined by the editors.

2.2.2 Manuscript for research articles

Manuscripts should be in a Word or LaTeX format. The following components are required for a complete manuscript: Title, Author(s), Author affiliation(s), Abstract, Keywords, Nomenclature (when needed), Main text, References, Acknowledgements, Appendices, Figure captions, Tables. There is no formal limit for the length of a paper, but the editors may recommend condensation when appropriate.

- Tables

Authors should take notice of the limitations set by the size and layout of the journal. Large tables should be avoided. Reversing columns and rows will often reduce the dimensions of a table.

If many data are to be presented, an attempt should be made to divide them over two or more tables.

- Supply units of measure at the heads of the columns. Abbreviations that are used only in a table

should be defined in the footnotes to that table.

- Should always use rows and columns to correlate two variables. Do not embed tables as graphic files, document objects, or pictures.
- Submitted as three-line tables, that is, there are three horizontal lines: one under the legend, one under the column heads, and one below the body. Vertical lines are generally not used.
- Label each table at the top with a Roman numeral followed by the table title. Insert explanatory material and footnotes below the table. Designate footnotes using lowercase superscript letters (a, b, c) reading horizontally across the table.
- Unless needed, all the words within the tables should be in lowercases.
- Must be sequentially numbered and called out in the text as, e.g., Table 1. The table should appear after where it is first mentioned in the text.

Table 1 Please write your table caption here

sample	2/days	4/days	6/days
blank control	61.5	71.4	68.0
PLA	73.2	75.6	65.2
HA-PLA	54.4	78.6	62.4

- Figures

Graphs should be practically self-explanatory. Readers should be able to understand them at a glance. Dimensional drawings and diagrams should include only the essential details and as little lettering as possible. They should present more of a picture than a working drawing. Figure requirements:

1) Size: should be drawn in the size of they virtually appear.

2) Numbering and title: number all figures (graphs, charts, photographs, and illustrations) in the order of their citation in the text and cited as, e.g., Fig. 1. Include a title for each figure (a brief phrase, preferably no longer than 10 to 15 words). Use (a), (b), ... to give titles for subfigures if there are any.

3) Figure quality: should be sharp, noise-free, and of good contrast. All lettering should be large enough to permit legible reduction. The figure quality should meet the requirements: 300dpi for color images; 600dpi for mono images; 72dpi for screen images; 600dpi for

line-drawings.

4) Color of figures: unless necessary, better drawn in black and white for line-drawing; and grayscale for images.

5) Figure file formats and location in manuscript: should be embedded in word or LaTeX processing documents. When accepted, original files should be provided in TIFF, EPS or Corel-Draw file formats. Legends should appear, separate from the figures themselves, where the figures should be located within the paper.

6) Maps: please use the authorized maps as the basis for map figure drawing. (Like maps published by China Map Press, and the like.) Any maps drawn without an authorized basis have to be submitted with the certificate from the Surveying and Mapping management. All the maps should follow the publishing requirements released by the Government.

7) Unless needed, all the words within the figures should be in lowercases. There is one example:

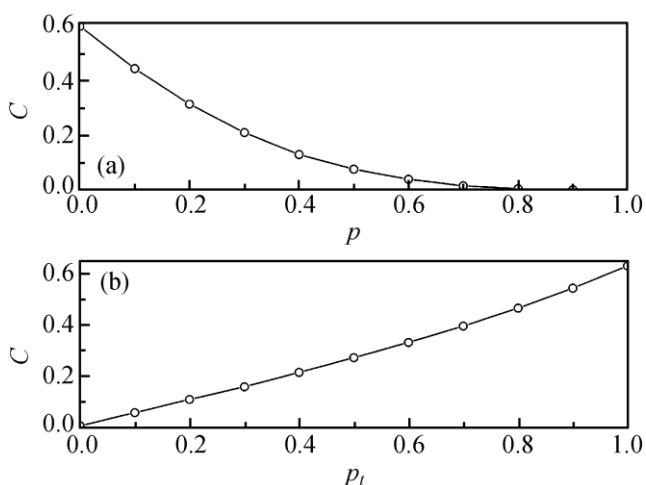


Fig.1 How C changes with (a) p ; (b) p_t

● **Formulae and equations**

The requirement for formulae and equations are:

1) Formulae should be typewritten whenever possible.

2) It is extremely important that all mathematical symbols and letters used are identified and listed and that the required style of appearance of such symbols is clearly indicated, e.g., bold face, italics, script, outline, etc.

3) Subscripts and superscripts should be set off clearly.

4) Identify in the margin any symbols that might be confused with similar symbols.

5) The words Equation or Equations should appear in full at the beginning of sentences but be abbreviated to Eq. or Eqs. elsewhere.

6) A nomenclature can be included (with the use of = signs) after the abstract if there is a significant number of symbols in the paper.

7) Equations should be located separately from other lines. Authors are encouraged to place them in two-column format, unless it is necessary to place them in one-column.

For example:

$$H = -\frac{1}{2} \Delta \sigma_{\infty} + \sum_k \omega_k b_k^{\dagger} b_k + \frac{1}{2} \sum_k g_k (b_k + b_k^{\dagger}) \sigma_z. \quad (1)$$

● Definition, example, theorem, proof, etc

Please do not use italic in these parts. For example:

Example 1 We take the data set 1...

● **Abbreviations**

Do not use abbreviations in the title or abstract and limit their use in the text. Expand all abbreviations at first mention in the text.

● **Footnotes**

Footnotes should only be used if absolutely essential. In most cases it will be possible to incorporate the information in normal text. If used, they should be indicated by superscript characters (e.g., 1), 2), . . .)¹⁾, and kept as short as possible.

● **Citations and references**

In-text citations must agree with the references in numbering. The references should be presented completely and without mistakes, and should be the original publication. We use the citation-sequence system, that is to number the citations according to sequence of their first appearance. Journal names should be spelled out in full. Examples are given in [1–4].

The digital object identifier (DOI) may be used to cite and link to electronic documents. Consisting of a unique alpha-numeric character string which is assigned to a document by the publisher upon the initial electronic publication, DOI is an ideal medium for

¹⁾Footnote information 1

citing a document, particularly "Articles in press" because they have not yet received their full bibliographic information. The correct format for citing a DOI is shown as follows (example taken from a document in the Communications in Nonlinear Science and Numerical Simulation): doi:10.1016/j.cnsns.2007.05.034

2.2.3 Manuscript for review articles

Reviews give a general overview of a particular field, providing the reader with an appreciation of the importance of the work, historical context, a summary of recent developments, and a starting point in the specialist literature. Manuscripts should be between 4000 and 8000 words in length, divided into appropriate sections, such as introduction (motivation and history remarks); outline; basic concepts, examples and results; comments on the relevance of the results, relations to other results and applications; open problems; critical review of the relevant literature; comprehensive bibliography. In addition to undergoing the same rigorous level of technical peer-review as Research papers, Review articles will be critiqued based on the general impact of the field being reviewed, the relevance of the field to experimental mechanics, preexisting reviews of the field, and acknowledgement of the contributing author as a dominant figure in the field. Therefore, it is strongly recommended that authors interested in submitting a Review article correspond with the Editor prior to submission. General formatting text, illustrations, and references are the same as outlined for research papers.

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6 Author enquiries

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7 Author benefits

The articles enjoy a fast peer-review and production workflow and will be published more quickly with the online first publishing on the basis of individual articles. The submitted manuscripts will get polished in language by highly qualified editors before typeset if necessary.

Acknowledgements The "Acknowledgements section" is the general term for the list of contributions, credits, and other information included at the end of the text of a manuscript but before the references. Conflicts of interest and financial disclosures must be listed in this section. Authors should obtain

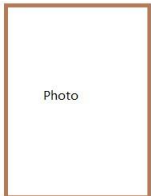
written permission to include the names of individuals in the Acknowledgement section.

Appendixes (if needed)

Appendix A

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