

# A Demonstration of the $\text{\LaTeX}2_{\epsilon}$ Class File for the Communications in Computational Physics

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**Abstract.** This paper describes the use of the  $\text{\LaTeX}2_{\epsilon}$  `cicp.cls` class file for setting papers for the *Communications in Computational Physics*.

**AMS subject classifications:** 52B10, 65D18, 68U05, 68U07

**Key words:**  $\text{\LaTeX}2_{\epsilon}$

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## 1 Introduction

This paper is described how to use the `cicp.cls`<sup>†</sup> class file for publication in the *Communications in Computational Physics*. The `cicp.cls` class file preserves much of the standard  $\text{\LaTeX}2_{\epsilon}$  interface so that authors can easily convert their standard  $\text{\LaTeX}2_{\epsilon}$  article style files to the `cicp` style.

## 2 Preparation of Manuscript

The Title Page should contain the article title, authors' names and complete affiliations, and email addresses of all authors. The Abstract should provide a brief summary of the main findings of the paper.

References should be cited in the text by a number in square brackets. Literature cited should appear on a separate page at the end of the article and should be styled and punctuated using standard abbreviations for journals (see Thomson ISI list of journal abbreviations). For unpublished lectures of symposia, include title of paper, name of sponsoring society in full, and date. Give titles of unpublished reports with "(unpublished)" following the reference. Only articles that have been published or are in press should be included in the references. Unpublished results or personal communications should be cited as such in the text. Please note the sample at the end of this paper.

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<sup>†</sup>Current version is 2.1. Please ensure you use the most up to date class file, available from the global-sci homepage at <http://www.global-sci.com/>.

Equations should be typewritten whenever possible and the number placed in parentheses at the right margin. Reference to equations should use the form "Eq. (2.1)" or simply "(2.1)." Superscripts and subscripts should be typed or handwritten clearly above and below the line, respectively.

Figures should be in a finished form suitable for publication. Number figures consecutively with Arabic numerals. Lettering on drawings should be of professional quality or generated by high-resolution computer graphics and must be large enough to withstand appropriate reduction for publication. For example, if you use MATLAB to do figure plots, axis labels should be at least point 18. Title should be 24 points or above. Tick marks labels better have 14 points or above. Line width should be 2 (or above).

Illustrations in color in most cases can be accepted only if the authors defray the cost. At the Editor's discretion a limited number of color figures each year of special interest will be published at no cost to the author.

### 3 Header Information

The heading for any file using `cicp.cls` is like this;

```
\documentclass[mathpazo]{cicp}

\begin{document}

\title{Make the Title in Title Case}

\author[An Author et.~al]{First Author\affil{1},
Second Author\affil{2}\comma\corrauth
\and Third Author\affil{1}}

\address{\affilnum{1}\ Address for first and third authors \\\
\affilnum{2}\ Address for second author}

\emails{{\tt cicp@global-sci.com} (A.~Author),
{\tt second@author.email} (S.~Author),
{\tt third@author.email} (T.~Author)}

\begin{abstract}
Text here, no equation, no citation, no reference.
\end{abstract}

\ams{list here}
\pacs{list here}
```

```

\keywords{list here}

\maketitle

\section{First Section}

\end{document}

```

### Notes:

1. Starting from volume two, we use package mathpazo. If you do not have this package, you just remove the option mathpazo in `\documentclass`. We can make it for you in the printing version.
2. The first argument in square bracket of `\author` is a MUST. It is for the running heads. `\corrauth` should be provided to indicate the corresponding author. `\email(s)` is used to show that author(s) email address(es) in footnote.
3. The abstract should be captable of standing by itself, in the absence of the body of the article and of the bibliography. It is forced to print within one page, so there may be problem if it is too long.
4. You may have your own macros but keep it to an absolute minimum.
5. `\thanks` is not working in this style. You should use `\section*{Acknowledgments}` for acknowledgments/grant support as the last section (just before references).

## 4 Some Remarks

### 4.1 Mathematics

cicp.cls makes the full functionality of  $\mathcal{A}\mathcal{M}\mathcal{S}\mathcal{T}\mathcal{E}\mathcal{X}$  available. We encourage the use of the `align`, `gather` and `multline` environments for displayed mathematics.

### 4.2 Cross-referencing

The use of the  $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$  cross-reference system for figures, tables, equations and citations is encouraged.

## Acknowledgments

The author would like to thank ....

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