

A DEMONSTRATION OF THE L^AT_EX 2_ε CLASS FILE FOR THE JOURNAL OF COMPUTATIONAL MATHEMATICS

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Abstract

This paper describes the use of the L^AT_EX 2_ε `jcmlatex.cls` class file for setting papers for the *Journal of Computational Mathematics*.

Mathematics subject classification: 33A01, 44B02

Key words: L^AT_EX 2_ε

1. Introduction

This paper is described how to use the `jcmlatex.cls` class file for publication in the *Journal of Computational Mathematics*. The `jcmlatex.cls` class file preserves much of the standard L^AT_EX 2_ε interface so that authors can easily convert their standard L^AT_EX 2_ε article style files to the `jcmlatex` style.

2. Preparation of Manuscript

The Title Page should contain the article title, authors' names and complete affiliations, footnotes to the title, and the postal address for manuscript correspondence (including e-mail address and fax numbers). 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 Chemical Abstracts Service Source Index, 1989). For unpublished lectures or symposia, include title of paper, name of sponsoring society in full, and date. Give titles of unpublished reports with “(unpublished)” following the reference.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 Unpublished results or personal communications should be cited as such in the text.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.

Equations should be typewritten whenever possible and the number placed in parentheses at the right margin. Reference to equations should use the form “Eq. (1.1)” or simply “(1.1).” 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.

3. Header Information

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

```
\documentclass{jcmlatex}
\def\JCMvol{xx}
\def\JCMno{x}
\def\JCMyear{200x}
\setcounter{page}{1}

\begin{document}

\markboth{AUTHORS LIST IN UPPER CASE}{Title in Title Case}

\title{MAKE THE TITLE IN UPPER CASE}

\author{First Author
\thanks{Address and email for first author}
Second Author
\thanks{Address and email for second author} \and
Third Author
\thanks{Address and email for third author} }

\maketitle

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

\begin{classification}
List here.
\end{classification}

\begin{keywords}
List here.
\end{keywords}

\section{First Section}

\end{document}
```

4. Some Remarks

4.1. Mathematics

jcmlatex.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 `multiline` environments for displayed mathematics.

4.2. Cross-referencing

The use of the $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X} 2_{\epsilon}$ cross-reference system for figures, tables, equations and citations is encouraged.

References

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