Advances in Applied Mathematics and Mechanics
Adv. Appl. Math. Mech., Vol. **xx**, No. x, pp. 1-3 (200x)

A Demonstration of the LaTeX 2_ε Class File for the Advances in Applied Mathematics and Mechanics

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Abstract. This paper describes the use of the LaTeX 2_ε aamm.cls class file for setting papers for the *Advances in Applied Mathematics and Mechanics*.

AMS subject classifications: 65M10, 78A48

Key words: LaTeX 2_ε.

1 Introduction

This paper is described how to use the aamm.cls class file for publication in the *Advances in Applied Mathematics and Mechanics*. The aamm.cls class file preserves much of the standard LaTeX 2_ε interface so that authors can easily convert their standard LaTeX 2_ε article style files to the aamm style.

2 Preparation of manuscript

The Title Page should contain the article title, authors' names and complete affiliations (including e-mail address). 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 For unpublished lectures of symposia, include title of paper, name of sponsoring society in full, and date. Give titles of unpublished reports with "(unpublished)" following the reference.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 Unpublished results or personal communications should be cited as such in the text.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.

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)"

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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 aamm.cls is like this;

```
\documentclass{aamm}

\begin{document}

\markboth{Author(s)}{Short Title}

\title{Make the Title in Title Case}

\author[Author(s)]{First Author\affil{1}, Second
Author\affil{2}\comma\corrauth and Third Author\affil{2}}

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

\emails{{\tt Email address of First Author} (First Author), {\tt
Email address of Second Author} (Second Author), {\tt Email address
of Third Author} (Third Author)}

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

\keywords{list here}

\ams{list here}

\maketitle

\section{First Section}

\end{document}
```

4 Some remarks

4.1 Mathematics

aamm.cls makes the full functionality of $\mathcal{AMS}$TEX available. We encourage the use of the align, gather and multine environments for displayed mathematics.

4.2 Cross-referencing

The use of the LATEXcross-reference system for figures, tables, equations and citations is encouraged.

Acknowledgments

The author would like to thank ....

References

[1] Michel Goossens, Frank Mittelbach and Alexander Samarin, The LaTeX Companion, Addison-Wesley, 1994.
[2] Helmut Kopka and Patrick W. Daly, A Guide to LaTeX, Addison-Wesley, 1999.
[3] Donald E. Knuth, The TeXbook, Addison-Wesley, 1992.
[4] A. N. Other, A demonstration of the LaTeX2e class file for the International Journal for Numerical Methods in Engineering, Int. J. Numer. Meth. Engng, 00 (2000), 1-6.
[5] Z. Yin, H. J. H. Clercx and D. C. Montgomery, An easily implemented task-based parallel scheme for the Fourier pseudospectral solver applied to 2D Navier-Stokes turbulence, Computers & Fluids, 33 (2004), 509-520.