

A Demonstration of the $\text{\LaTeX} 2_{\epsilon}$ Class File for the Proceedings of SCPDE05[†]

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Abstract. This paper describes the use of the $\text{\LaTeX} 2_{\epsilon}$ `scpde05.cls` class file for setting papers for the *Proceedings of SCPDE05*.

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

1 Introduction

This paper is described how to use the `scpde05.cls`[‡] class file for publication in the *Proceedings of SCPDE05*. The `scpde05.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 `scpde05` 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 For unpublished lectures of symposia, include title of paper, name of sponsoring society in full, and date. Give titles of unpublished reports with “(unpublished)” following the reference.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 Unpublished results or personal communications should be cited as such in the text.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.

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.

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[†]Please ensure you use the most up to date class file, available from the conference homepage at <http://www.math.hkbu.edu.hk/SCPDE05>.

[‡]Current verions is 1.0.

3 Header Information

The heading for any file using scpd05.cls is like this;

```

\documentclass{scpd05}

\begin{document}

\title{Make the Title in Title Case}

\author[F.~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}

\corraddr{Correspondence author, Address for correspondence author.
Email: \tt xxx@xxx.xxx}

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

\keywords{list here}

\maketitle

\section{First Section}
More sections follow.

\section{Second Section}
This is the second section and more ...

\section*{Acknowledgments}

\begin{thebibliography}{99}
\bibitem{Kopka}Helmut Kopka and Patrick W.~Daly, A Guide to LaTeX,
Addison-Wesley, 1999.
\bibitem{Knuth}Donald E. Knuth, The TeXbook, Addison-Wesley, 1992.
\end{thebibliography}

\end{document}

```

Notes:

1. 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. `\corraddr` is used to

show that author's address in footnote. Email is required.

2. 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.
3. You may have your own macros but keep it to an absolute minimum.
4. \thanks is not working in this style. You may use \footnote instead.

4 Some Remarks

4.1 Mathematics

scpde05.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 `multine` environments for displayed mathematics.

4.2 Cross-referencing

The use of the L^AT_EX cross-reference system for figures, tables, equations and citations is encouraged.

Acknowledgments

The author would like to thank

References

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- [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*, *Comput. Fluids*, **33** (2004), pp. 509-520.