

# A DEMONSTRATION OF THE $\text{\LaTeX} 2_{\epsilon}$ CLASS FILE FOR THE ASIAN JOURNAL OF CONTROL<sup>†</sup>

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## ABSTRACT

This paper describes the use of the  $\text{\LaTeX} 2_{\epsilon}$  `asjcauth.cls` class file for setting papers for the *Asian Journal of Control*.

**Key Words:** *Asian J. Contr.*, class file,  $\text{\LaTeX} 2_{\epsilon}$ .

## I. INTRODUCTION

Many authors submitting to research journals use  $\text{\LaTeX} 2_{\epsilon}$  to prepare their papers. This paper describes the `asjcauth.cls` class file which can be used to convert articles produced with other  $\text{\LaTeX} 2_{\epsilon}$  class files into the correct form for publication in the *Asian Journal of Control*.

The `asjcauth.cls` class file preserves much of the standard  $\text{\LaTeX} 2_{\epsilon}$  interface so that any document which was produced using the standard  $\text{\LaTeX} 2_{\epsilon}$  `article` style can easily be converted to work with the `asjcauth` style. However, the width of text and typesize will vary from that of `article.cls`; therefore, *line breaks will change* and it is likely that displayed mathematics and tabular material will need re-setting.

In the following sections we describe how to lay out your code to use `asjcauth.cls` to reproduce the typographical look of the *Asian Journal of Control*. However, this paper is not a guide to using  $\text{\LaTeX} 2_{\epsilon}$  and we would refer you to any of the many books available (see, for example, [1, 2, 3]).

## II. THE THREE GOLDEN RULES

Before we proceed, we would like to stress *three golden rules* that need to be followed to enable the most

efficient use of your code at the typesetting stage:

- (i) keep your own macros to an absolute minimum;
- (ii) as  $\text{\TeX}$  is designed to make sensible spacing decisions by itself, do *not* use explicit horizontal or vertical spacing commands, except in a few accepted (mostly mathematical) situations, such as `\,` before a differential `d`, or `\quad` to separate an equation from its qualifier;
- (iii) follow the *Asian Journal of Control* reference style.

## III. GETTING STARTED

The `asjcauth` class file should run on any standard  $\text{\LaTeX} 2_{\epsilon}$  installation. If any of the fonts, class files or packages it requires are missing from your installation, they can be found on the *TeX Live* CD-ROMs or from CTAN.

*Asian Journal of Control* is published using Times fonts and this is achieved by using the `times` option as `\documentclass[times]{asjcauth}`. If for any reason you have a problem using Times you can easily resort to Computer Modern fonts by removing the `times` option.

## IV. THE ARTICLE HEADER INFORMATION

The heading for any file using `asjcauth.cls` is shown in Fig. 1.

### 4.1. Remarks

- (i) In `\runninghead`, keep the short title to no more than 50 characters; use ‘*et al.*’ if there are three or more authors.

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Manuscript received July 8, 2008.

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This class file was developed by Sunrise Setting Ltd, Torquay, Devon, UK. Website: [www.sunrise-setting.co.uk](http://www.sunrise-setting.co.uk)

<sup>†</sup>Please ensure that you use the most up to date class file, available from the ASJC Home Page at [www3.interscience.wiley.com/journal/117933310/home](http://www3.interscience.wiley.com/journal/117933310/home)

```

\documentclass[times]{asjcauth}
%\documentclass[times,doublespace]{asjcauth}%For paper submission

\begin{document}

\runninghead{<Initials and Surnames>: <Short title>}

%\categorytitle{Brief Paper}

\title{<ALL CAPITALS>}

\author{<An Author, Someone Else, and Perhaps Another>}

\address{<The author(s) is (are) with <author's address(es)>}

\received{<Article history>}

%\acks{<Acknowledgements as appropriate>}

\begin{abstract}
<Text>
\end{abstract}

\keywords{<Key words separated by commas>}

\maketitle

\section{INTRODUCTION}
.
.
.

```

Fig. 1. Example header text.

- (ii) Please uncomment `\categorytitle{Brief Paper}` if this is the category of paper you are submitting. Do not use `\categorytitle{...}` for a regular paper.
- (iii) Note that affiliations/addresses appear as a footnote. Include correspondence e-mail address in brackets at the end.
- (iv) For submitting a double-spaced manuscript, add `doublespace` as an option to the document-class line.
- (v) The abstract should be capable of standing by itself, in the absence of the body of the article and of the bibliography. Therefore, it must not contain any reference citations.
- (v) Keywords are separated by commas.

- (vi) Acknowledgements are included as a title page footnote.

## V. THE BODY OF THE ARTICLE

### 5.1. Mathematics

`asjcauth.cls` makes the full functionality of  $\text{\LaTeX}$  available. We encourage the use of the `align`, `gather` and `multline` environments for displayed mathematics.

### 5.2. Figures and tables

`asjcauth.cls` uses the `graphicx` package for handling figures.

Figures are called in as follows:

```
\begin{figure}
\centering
\includegraphics{<figure name>}
\caption{<Figure caption>}
\end{figure}
```

Recall that the

```
\begin{figure*}...\end{figure*}
```

commands are needed for a figure spanning both columns.

For further details on how to size figures, etc., with the `graphicx` package see, for example, [1] or [3]. If figures are available in an acceptable format (for example, .eps, .ps) they will be used but a printed version should always be provided.

The standard coding for a table is as follows:

```
\begin{table}
\caption{<Table caption>}
\centering
\begin{small}
\begin{tabular}{<table alignment>}
\toprule
<column headings>\\\
\midrule
<table entries
(separated by & as usual)>\\
<table entries>\\
.
.
.\\
\bottomrule
\end{tabular}
\end{small}
\end{table}
```

### 5.3. Cross-referencing

The use of the  $\LaTeX$  cross-reference system for figures, tables, equations, etc., is encouraged (using `\ref{<name>}` and `\label{<name>}`).

### 5.4. Bibliography

The normal commands for producing the reference list are:

```
\begin{thebibliography}{99}
\bibitem{<x-ref label>}
    <Reference details>
.
.
.
\end{thebibliography}
```

where `\bibitem{x-ref label}` corresponds to `\cite{x-ref label}` in the body of the article. and {99} is the widest such number expected and determines the width of the number column in the reference list.

### 5.5. Authors' biographies

Please supply brief biographies for each of the authors. These must be placed after the References. Please supply a recent photograph of each author.

### 5.6. Double spacing

If you need to double space your document for submission please use the `doublespace` option as shown in the sample layout in Fig. 1.

## VI. SUPPORT FOR `asjcauth.cls`

We offer on-line support to participating authors. Please contact us via e-mail at [asjcauth-cls@wiley.co.uk](mailto:asjcauth-cls@wiley.co.uk).

We would welcome any feedback, positive or otherwise, on your experiences of using `asjcauth.cls`.

## VII. SETTING AN EDITORIAL

To set an editorial in single column format you need to use the `editorial` option. An example layout for an editorial is shown in Fig. 2.

## VIII. COPYRIGHT STATEMENT

Please be aware that the use of this  $\LaTeX 2_{\epsilon}$  class file is governed by the following conditions.

### 8.1. Copyright

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```

\documentclass[editorial,times]{asjcauth}

\begin{document}

\runninghead{Editorial}

\title{<ALL CAPITALS>}

\maketitle

<Text>
.
.
.
\begin{flushright}
\textbf{Guest Editor(s)}\\[6pt]
\textbf{<Editor name>}\\
<Address>
.
.
.
\end{flushright}

\noindent <editor biography details>
\end{document}

```

Fig. 2. Example editorial layout.

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## REFERENCES

1. Kopka, H. and P. W. Daly, *A Guide to L<sup>A</sup>T<sub>E</sub>X, Fourth Edition*, Addison-Wesley (2003).
2. Lamport L., *L<sup>A</sup>T<sub>E</sub>X: a Document Preparation System, Second Edition*, Addison-Wesley (1994).
3. Mittelbach F. and M. Goossens, *The L<sup>A</sup>T<sub>E</sub>X Companion, Second Edition*, Addison-Wesley (2004).