HOW TO PRODUCE A \LaTeX\₂ε ARTICLE IN COMPLIANCE WITH BFCA’S STYLE ?

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Abstract. This document shortly describes the \LaTeX\₂ε document class that will be used for the BFCA’05 proceedings.

The \texttt{bfca} \LaTeX\₂ε document class is based on \texttt{amsart} document class, so that any document written in the later could probably be converted in the former without any real problem. In itself this document can be viewed as an example of the \texttt{bfca} class usage.

1. The class and the preamble

What you must

You must specify \texttt{bfca} as the class of your document using \verb|\documentclass{bfca}| command.

What you could

You could use any package you want in the preamble of your document, provided that they are standard \LaTeX\₂ε packages and strictly necessary.

You could also define any command you like (except those exposed in this manual) provided that you proceed with care.

What you should not

You should not try to redefine text fonts, fontsizes and text sizes in any way: this has been fixed by the publisher. More

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generally you should not try to modify parameters of the overall presentation: sectioning, numbering, etc.

**What you should try to avoid**

Please try to avoid using footnotes. As stated before, try not to redefine commands and use package if not really useful. For example, do not use a package just for some simple macros. If you can’t avoid it, please comment any definition, package inclusion and usage you make.

2. The document

The document is given with the \begin{document} ... \end{document} environment. Its content would start with the title matter specification followed by the text itself.

2.1. The title matter

The *title matter* consists of values specified in commands:

- \title \thanks \runningtitle \author \address
- \sameaddress \secondaddress \runningauthors

and from the following environment:

\begin{abstract} ... \end{abstract}

All these commands must come before the \maketitle command, which ends the title matter.

The title of your paper is specified with the \title command, and the following optional \thanks command can be used up to 5 times. If your title is too long to fit in page headers you could specify a shorter alternate with \runningtitle as in the following:

\title{A very very very... long title}
\thanks{IEEE}
\thanks{ISO}
\thanks{ASCII}
\runningtitle{A shorter title}

The full name of authors is given for each one with the \author command followed by an optional \address or \sameaddress. Note that if necessary you could use the \email command to insert an email in an address. The following is a example of the former commands usage:

*J-F. Michon, P. Valarcher, J-B. Yunès (Eds.): BFCA’05*
2.2. The body

Some theorem-like environments are defined, should not be modified and are self-explanatory:

\begin{theorem}
Any planar map can be colored with only four colours in such a way that adjacent regions receive different colors.
\end{theorem}

\begin{proof}
trivia.
\end{proof}

\begin{definition}
$\mathbb{N}$ is the set of natural numbers.
\end{definition}

The following:
\begin{proof}
... \end{proof}

produces:

Theorem 2.1. Any planar map can be colored with only four colours in such a way that adjacent regions receive different colors.

Proof. trivia. □

Definition 2.2. $\mathbb{N}$ is the set of natural numbers.

2.2.1. PostScript Files

You are asked to use the graphicx package to include PostScript files (distributed with any standard \LaTeX{} distribution).
2.2.2. Ending the document: the bibliography and thanks

You should use standard \LaTeX\ commands to manage your references (\texttt{\label}, \texttt{\ref}, \texttt{\cite}, etc). You are free to produce your bibliography items either by using Bib\TeX or the \texttt{thebibliography} environment, but in all cases your references must appear as numbers.

If needed, you could optionally add some acknowledgements after the bibliography with the following environment:

\begin{acknowledgement} ...
\end{acknowledgement}

References


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