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1  %%这是LNCS论文模板的一个例子%%
2
3  \documentclass[envcountsame]{lncs}
4  %加载lncs论文类，参数envcountsame规定定义、定理、引理等环境共享计数器
5
6  \usepackage[hidelinks]{hyperref}
7  \usepackage{amssymb}
8
9  \begin{document}
10
11  \title{Writing an LNCS Article} %标题
12  \subtitle{Yet Another Example} %副标题
13  \author{Y\{i} N. W\{a}ng\thanks{Funded by myself.} \and Maloo Cat}
14  %作者，不同作者间以 \and 连接
15  \institute{Department of Philosophy\\Zhejiang University\\email{ynw@xilogic.org}
16  \and
17  School of Cats\\University of Animals\\email{maloo@somewhere.world}}
18  %单位，不同作者的单位间以 \and 连接，应与作者次序一致
19  \tocauthor{Y\{i} N. W\{a}ng and Maloo Cat} %目录中的作者名
20  \toctitle{Writing an LNCS Article} %目录中的论文标题
21  \authorrunning{Y\{i} N. W\{a}ng and Maloo Cat} %页眉中的作者名
22  \titlerunning{Writing an LNCS Article} %页眉中的论文标题
23
24  \maketitle
25
26  \begin{abstract} %摘要环境
27  This is a brief introduction to the LNCS \LaTeX\ \cite{Lamport1994} templates.
28  \end{abstract}
29
30  \section{Introduction}
31
32  Many logic conferences, such as LORI and ICLA, have their proceedings published as volumes of Springer's
33  Lecture Notes in Computer Sciences (LNCS). Springer provides author guidelines for LNCS proceedings. The
34  LNCS \LaTeXe\ templates package can be found from the LNCS "Information for Authors" webpage.%
35  \footnote{\label{footnote:url}%脚注
36  URL: \scriptsize\url{http://www.springer.com/cn/computer-science/lncs/conference-proceedings-
37  guidelines}}
38
39  The source file of this document is an example of an LNCS article, which can be treated as a template for
40  your own LNCS paper.
41
42  \section{Environments used in an LNCS Article}
43  In this section, we illustrate some frequently used environments, including lists, equation arrays and
44  theorem-like environments.
45
46  \subsection{Contents of the \LaTeXe\ templates}
47  \label{subsec:contents} %添加标签
48
49  There are many files in the downloaded zip package, among which the most important are the following:
50
51  \begin{itemize} %无顺序列表环境
52  \item\texttt{lncs.cls}: LNCS class file;
53  \item\texttt{lncs.doc} and \texttt{lncsdoc.pdf}: documentation; the former contains the main \TeX\ source
54  code and the latter is the generated PDF file;
55  \item\texttt{splncs03.bst}: bibliography style file.
56  \end{itemize}
57
58  You can put \texttt{lncs.cls} and \texttt{splncs03.bst} in the main folder of your paper. Many \LaTeX\
59  packages are preloaded by the LNCS class file, but often you need more. For example, I used the \textsf{
60  hyperref} package for a better presentation of the URL in Footnote \ref{footnote:url}.
61
62  \subsection{Using lists}
63  There are three types of lists in \LaTeX: \textsf{itemize}, \textsf{enumerate} and \textsf{description}.
64  Itemization has already been illustrated in Section \ref{subsec:contents}. Note that lists can be used
65  iteratively, as shown below (in a \textsf{multicols} environment).
66
67  \begin{multicols}{2}
68  \begin{itemize} %无顺序列表环境
69  \item First bullet item

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59 \item Second bullet item
60 \begin{itemize}
61 \item First nested bullet item
62 \item Second nested bullet item
63 \end{itemize}
64 \end{itemize}
65
66 \begin{enumerate} %有顺序列表环境
67 \item First-level enumerated item
68 \begin{enumerate}
69 \item First nested enumerated
70 \item Second nested enumerated
71 \end{enumerate}
72 \end{enumerate}
73
74 \begin{description} %标题列表环境
75 \item[First descriptive item]
76 \item[Second descriptive item] ...
77 \begin{description}
78 \item[Nested descriptive item]
79 \end{description}
80 \end{description}
81 \end{multicols}
82
83 \subsection{Using theorem-like environments}
84 The LNCS style predefines many theorem-like environments, e.g., \texttt{definition}, \texttt{example},
\texttt{proposition}, \texttt{lemma}, \texttt{theorem}, \texttt{remark}, \texttt{note}, \texttt{question}, \texttt{problem}, \texttt{solution} and \texttt{proof}. We illustrate some below. Note that I set the option \texttt{envcountsame} in the document class to make all of them share the same counter.
85
86 \begin{definition}[language]
87 Suppose ...
88 \end{definition}
89
90 \begin{example}...
91 \end{example}
92
93 \begin{lemma}[some validities]...
94 \end{lemma}
95 \begin{proof}
96 We prove the ... \qed
97 \end{proof}
98
99 \begin{theorem}[soundness]
100 Bla bla
101 \end{theorem}
102
103 \subsection{Using equations and arrays}
104 Automatically numbered equation:
105
106 \begin{equation}
107 \mathfrak{M} = (W, \sim, V)
108 \end{equation}
109
110 An array (in math mode):
111
112 $$\begin{array}{l@{\quad\text{iff}\quad}}
113 \mathfrak{M}, m \models \neg \phi & \mathfrak{M}, m \not\models \phi \\
114 \mathfrak{M}, m \models \Box \phi & \text{for all } n \text{ such that } m \sim n, \mathfrak{M}, n \models \phi \\
115 \end{array}$$
116
117 \section{Conclusion}
118 This is only a VERY simple introduction to the LNCS \LaTeX\ templates. For more details please check the
\texttt{llnsc.doc} and \texttt{llnscdoc.pdf} files in the templates zipped package.
119
120 \bibliographystyle{splnsc03} %参考文献样式
121 \bibliography{lnsc-ex} %加载参考文献库
122 \end{document}

```