

```

1  %%这是Elsevier论文模板的一个例子%%
2
3  \documentclass[times]{elsarticle}
4
5  \usepackage[hidelinks]{hyperref}
6
7  %%Elsevier论文类没有预定义定理等环境，需手动定义
8  \newtheorem{theorem}{Theorem} %\newtheorem定义“定理类”环境
9  \newtheorem{lemma}{Lemma}
10 \newdefinition{definition}{Definition} %\newdefinition定义“定义类”环境
11 \newdefinition{example}{Example}
12 \newproof{proof}{Proof} %\newproof定义证明环境，\qed生成证毕符号
13
14 \begin{document}
15
16 \begin{frontmatter}
17 \title{Writing an Elsevier Article: Yet Another Example\tnoteref{t1}}
18 \tnotetext{t1}{This paper is funded by...}
19
20 \author[zju]{Y\{i} N. W\{a}ng\corref{cor1}\fnref{fn1}}
21 \lead{ynw@xixilogic.org}
22 \author[zju,uoa]{Maloo Cat\fnref{fn2}}
23 \lead{maloo@somewhere.world}
24
25 \cortext{cor1}{Corresponding author}
26 \fntext{fn1}{This is W\{a}ng's footnote}
27 \fntext{fn2}{This is Cat's footnote}
28
29 \address[zju]{Philosophy Department, Zhejiang University, 148 Tianmushan Road, Hangzhou 310028, P.R.
China}
30 \address[uoa]{School of Cats, University of Animals, Planet Meow}
31
32 \begin{abstract}
33 This is a brief introduction to the Elsevier \LaTeX\ \cite{Lamport1994} templates.
34 \end{abstract}
35 \begin{keyword}
36 LaTeX, Elsevier article
37 \end{keyword}
38 \end{frontmatter}
39
40 \section{Introduction}
41
42 Elsevier provides templates for its journals. These are already included in the standard CTAN distributions. As
a result, there is no need to download any style files. The Elsevier \LaTeX\ instructions can be found here:
43 \begin{center}
44 {\small\url{https://www.elsevier.com/authors/author-schemas/latex-instructions}}
45 \end{center}
46
47 The grammar for the frontmatter is a bit different from that of the LNCS style. For details please read the
\texttt{elsdoc2.pdf} document. You can see the source file of this document for an example.
48
49 The main part is more or less the same as in many other styles. One main difference is related to the theorem-
like environments.
50
51 \section{Using theorem-like environments}
52 Theorem-like environments should be defined using \verb|\newtheorem|, \verb|\newdefinition| and \verb|
\newproof|. Take the following source code and output for example.
53
54 \begin{verbatim}
55 \newtheorem{theorem}{Theorem}
56 \newtheorem{lemma}{Lemma}
57 \newdefinition{definition}{Definition}
58 \newdefinition{example}{Example}
59 \newproof{proof}{Proof}
60 \end{verbatim}
61
62 \begin{definition}[language]
63 Suppose ...

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```
64 \end{definition}
65
66 \begin{example}
67 ...
68 \end{example}
69
70 \begin{lemma}[some validities]
71 ...
72 \end{lemma}
73 \begin{proof}
74 We prove the ... \qed
75 \end{proof}
76
77 \begin{theorem}[soundness]
78 Bla bla
79 \end{theorem}
80
81
82 \section{Conclusion}
83 The Elsevier \LaTeXe\ style is quite dense. There are also many options for configuring this document style.
84 For more details please check the \texttt{elsdoc2.pdf} file.
85
86 \section*{References}
87 \bibliographystyle{elsarticle-num}
88 \bibliography{elsevier-ex}
89
90 \end{document}
```