

ARTICLE TYPE

A demonstration of the \LaTeX class file for Wiley NJD Journals[†]Author One^{*1} | Author Two^{2,3} | Author Three³¹Org Division, Org name, State name, Country name²Org Division, Org name, State name, Country name³Org Division, Org name, State name, Country name

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Present Address

Present address

Abstract

This paper describes the use of the \LaTeX 2_ε WileyNJD-v2.cls class file for setting papers for *Mathematical Methods in the Applied Sciences*.

KEYWORDS:

Class file; \LaTeX 2_ε; Wiley NJD

1 | INTRODUCTION

Many authors submitting $\sin \cos \tan \inf_x$ to NJD journals use \LaTeX 2_ε to prepare their papers. This paper describes the WileyNJD-v2.cls class file which can be used to convert articles produced with other \LaTeX 2_ε class files into the correct form for publication in *Wiley NJD Journals*.

The WileyNJD-v2.cls class file preserves much of the standard \LaTeX 2_ε interface so that any document which was produced using the standard \LaTeX 2_ε article style can easily be converted to work with the WileyNJD-v2 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 WileyNJD-v2.cls to reproduce the typographical look of *Wiley NJD Journals*.

1.1 | Procedure to install fonts

1. All font files are available under the Lato-Fonts folder
2. Font installer is available under the same folder Windows-Lato-fontinstaller.exe
3. Execute (double click the EXE file) the EXE file that will install all fonts/map files to your local drive.

1.2 | 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 \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 \backslash , before a differential d, or \backslashquad to separate an equation from its qualifier;
- (iii) follow the *NJD* reference style.
 - a. Chemistry — Use the “APA” option as `\documentclass[APA]{WileyNJD-v2.cls}`

[†] This is an example for title footnote.⁰ **Abbreviations:** ANA, anti-nuclear antibodies; APC, antigen-presenting cells; IRF, interferon regulatory factor

2 | GETTING STARTED

The WileyNJD-v2.cls class file should run on any standard \LaTeX 2_ε 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.

LaTeX document class options

- a. LATO1COL— For LATO font large one column layout use the “LATO1COL” option as `\documentclass[APA,LATO1COL]{WileyNJD-v2}`
- b. LATO2COL— For LATO font large two column layout use the “LATO2COL” option as `\documentclass[APA,LATO2COL]{WileyNJD-v2}`
- c. LATOSMALL— For LATO font small layout use the “LATOSMALL” option as `\documentclass[APA,LATOSMALL]{WileyNJD-v2}`

3 | THE ARTICLE HEADER INFORMATION

The heading for any file using WileyNJD-v2.cls is shown in Figure 1 .

3.1 | Remarks

- (I). Use `\title{<title> \protect\thanks{<title footnotes>}}` for article title and title footnote.
- (II). Use `\authormark{}` for running heads.
- (III). Note the use of `\author[<link>]{<name>}` and `\address[<link>]{<name>}` to link names and addresses. The author for correspondence is marked by “*” and `\corres{}` is used to give that author’s address, which will be printed besides abstract, prefaced by ‘Correspondence to:’.
- (IV). For submitting a double-spaced manuscript, add `doublespace` as an option to the `documentclass` line.
`\documentclass[doublespace]{WileyNJD-v2}`
- (V). Use `\presentaddress{}` for present address.
- (VI). In abstract `\abstract[<title>]{abstract paragraph}` use optional parameter for title followed by abstract paragraph.
- (VII). For Key words use `\keywords{}`.
- (VIII). For how to cite use `\jnlcitation{\cname{\author{<author name>}, \ctitle{<title>}, \cjournal{<Journal name>}, \cvol{<vol>}.}}`.
- (IX). For title page abbreviations use `\footnotetext{<\textbf{Abbreviation title:} Abbreviations>}`
- (X). Use `\articletype{<article category>}` for article header information
- (XI). Use `\received{<received date>}` `\revised{<revised date>}` `\accepted{<accepted date>}` for history dates.

4 | THE BODY OF THE ARTICLE

4.1 | Section headings

- (H1) Section — use `\section{}`
- (H2) SubSection— use `\subsection{}`
- (H3) SubSubSectionin— use `\subsubsection{}`
- (H4) Paragraph— use `\paragraph{}`
- (H5) Subparagraph— use `\subparagraph{}`

```

\documentclass[APA,LAT01COL]{WileyNJD-v2}

\articletype{Article Type}%

\received{26 April 2016}
\revised{6 June 2016}
\accepted{6 June 2016}

\begin{document}

\title{<Initial cap, lower case>\protect\thanks{<title footnote.>}}

\author[<address link>]{<Author name><corresponding author*>}

\author[<address link>,<address link>]{Author Name}

\authormark{AUTHOR ONE \textsc{et al}}

\address[<address link>]{\orgdiv{<Org Division>}, \orgname{<Org name>},
\orgaddress{\state{<State name>}, \country{<Country name>}}}
\address[<address link>]{\orgdiv{<Org Division>}, \orgname{<Org name>},
\orgaddress{\state{<State name>}, \country{<Country name>}}}

\corres{<corresponding author link*> <author name, address.
\email{<authorone@email.com>}}

\presentaddress{<Present address>}

\abstract[<Abstract heading>]{<Abstract paragraph>}

\keywords{<keyword1>, <keyword2>,...}

\jnlcitation{\cname{
\author{<aurhor name>},
\author{<aurhor name>},
\author{<aurhor name>},
\author{<aurhor name>}, and
\author{<aurhor name>}} (\cyear{<year>}},
\ctitle{<journal title>}, \cjournal{<journal name>} <year> <vol> Page <xxx>-<xxx>}

\footnotetext{\textbf{<abbreviation head:>} <abbreviations> ..}

\maketitle

\section{Introduction}
.
.
.

```

FIGURE 1 Example for title page.

4.2 | Mathematics

WileyNJD-v2.cls makes the full functionality of \LaTeX available. We encourage the use of the `align`, `gather` and `multline` environments for displayed mathematics.

4.3 | Figures and Tables

WileyNJD-v2.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}
```

The standard coding for a table is shown in Figure 2 .

```
\begin{table}
\caption{<Table caption>}
\centering
\begin{tabular}{<table alignment>}
\toprule
<column headings>\\
\midrule
<table entries>
(separated by & as usual)>\\
<table entries>\\
.
.
.\\
\bottomrule
\end{tabular}
\begin{tablenotes}
\item Source: xxx.
\item[1] xxx.
\item[2] xxx.
\end{tablenotes}
\end{table}
```

FIGURE 2 Example for table layout.

4.4 | Cross-referencing

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

4.5 | Box text

```
\begin{boxtext}
\section*{<title>}%
```

Paragraph

```
\end{boxtext}
```

4.6 | List items

4.6.1 | Enumerate list styles

```
\begin{enumerate}[1]
```

```
\item
```

```
\end{enumerate}
```

```
\begin{enumerate}[1.]
```

```
\item
```

```
\end{enumerate}
```

```
\begin{enumerate}[(1)]
```

```
\item
```

```
\end{enumerate}
```

```
\begin{enumerate}[I]
```

```
\item
```

```
\end{enumerate}
```

```
\begin{enumerate}[i]
```

```
\item
```

```
\end{enumerate}
```

```
\begin{enumerate}[a]
```

```
\item
```

```
\end{enumerate}
```

4.6.2 | Bullet list styles

```
\begin{itemize}
```

```
\item
```

```
\end{itemize}
```

4.6.3 | Description list

```
\begin{description}
```

```
\item[<entry>] description text.
```

```
\end{description}
```

4.7 | Enunciations

```
\begin{theorem}[<Theorem subhead>]\label{thm1}
```

```
<theorem text>.
```

```
\end{theorem}
```

```
\begin{proposition}[<proposition subhead>]\label{pro1}
```

```
<proposition text>.
```

```
\end{proposition}
```

```

\begin{definition}[<definition subhead>]\label{dfn1}
<definition text>.
\end{definition}

\begin{proof}
<proof text>.
\end{proof}

\begin{proof}[Proof of Theorem~\ref{thm1}]
<proof text>.
\end{proof}

```

4.8 | Program codes

Use `\begin{verbatim}... \end{verbatim}` for program codes without math. Use `\begin{alltt}... \end{alltt}` for program codes with math. Based on the text provided inside the optional argument of `\begin{code}` [`Pseudocode`|`Listing`|`Box`|`Code`|`Specification`|`Procedure`|`Sourcecode`|`Program`]... `\end{code}` tag corresponding boxed like floats are generated. Also note that `\begin{code}` [`Code`|`Listing`]... `\end{code}` tag with either `Code` or `Listing` text as optional argument text are set with computer modern typewriter font. All other code environments are set with normal text font. Refer below example:

```

\begin{lstlisting}[caption={Descriptive Caption Text},label=DescriptiveLabel]
for i:=maxint to 0 do
begin
{ do nothing }
end;
Write('Case insensitive ');
WritE('Pascal keywords. ');
\end{lstlisting}

```

4.9 | Acknowledgements

An Acknowledgements section is started with `\ack` or `\acks` for *Acknowledgement* or *Acknowledgements*, respectively. It must be placed just before the References.

4.10 | Bibliography

- 1 Use `\bibliography{wileyNJD-AMA}` BST file for AMA reference style
- 2 Use `\bibliography{wileyNJD-APA}` BST file for APA reference style
- 3 Use `\bibliography{wileyNJD-AMS}` BST file for AMS reference style
- 4 Use `\bibliography{wileyNJD-VANCOUVER}` BST file for Vancouver reference style
- 5 Use `\bibliography{wileyNJD-ACS}` BST file for Chemistry reference style

The normal commands for producing the reference list are:

```

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

```

.
.
.
\end{thebibliography}

4.11 | Appendix Section

\appendix

\section{Section title of first appendix\label{app1}}
.
.
.

How to cite this article: Williams K., B. Hoskins, R. Lee, G. Masato, and T. Woollings (2016), A regime analysis of Atlantic winter jet variability applied to evaluate HadGEM3-GC2, *Q.J.R. Meteorol. Soc.*, 2017;00:1–6.