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## THE SAMPLE PAPER AND GUIDELINES FOR USING L<sup>A</sup>T<sub>E</sub>X CLASS FOR SUBMISSION TO REPORTS ON GEODESY AND GEOINFORMATICS

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### Abstract

*This paper gives you template for preparing article for "Reports on Geodesy and Geoinformatics". The authors are requested to prepare the paper according to the scheme given below. The length of the abstract should be not larger than 200–250 words.*

**Keywords:** insert 3–4 keywords or phrases

### 1. General information

Use `rgg LATEX` class for article preparation. Make sure that `rgg.cls` is accessible in your `TEXPATH` variable or this class file can be put in your working directory with other `.tex` file(s).

Using external packages and user defined commands is allowed but do not change the formatting settings. Remember to send all your files (except `rgg.cls`) with all your settings and inputs.

### 2. Main structure

Following sections give the basic rules for formatting your paper.

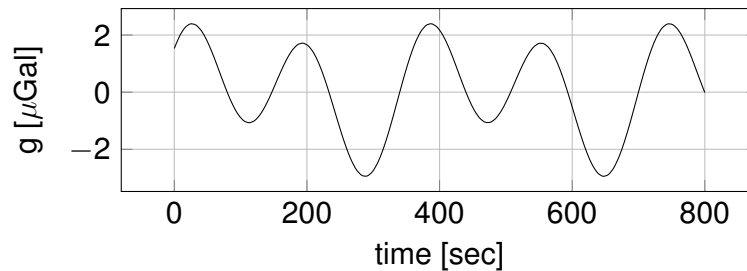
#### 2.1. Title, author info and abstract

Use `title`, `author` and `affiliation` command to define your title page. This can be done in your preamble or at the beginning of the document. To make titling visible use `maketitle` command.

Optionally specify short version of author(s) and title information for running header (again example within this file in the square brackets).

Put appropriate reference number near each author in superscript and refer this number in special `affiliation` command. If all authors have the same affiliation you can skip superscripts. Put your affiliation info in `affiliation` command and separate several affiliations with `nextaffiliation` command.

Please put short note about author(s) in `authornote` command at the end of article with short information about contributors. Put your electronic address within `email` command. The electronic mail address of all Authors is indispensable.



**Fig. 1.** This is caption of Figure 1

## 2.2. Sectioning

For sectioning use standard  $\LaTeX$  commands `section` and `subsection`. All numbering will be added automatically. To refer to section or subsection number simply use `label` just after the section name and then you can freely refer to it in subsequent text using `ref` and `label` name. Just like here for section 2 or subsection 2.2. Do not go too deep in sectioning, *i.e.* try to avoid subsubsections.

## 2.3. Lists

Use standard commands for itemization and enumeration. This example below is self explanatory. Use it like here,

- First item,
- Second item,

or here,

1. Again first item,
2. And the last one.

## 2.4. Figures

You should not worry about figure placement. Just wrap your graphics in `figure` environment and use standard `caption` command as in example below. To refer to this figure again use pair of `label` `ref` commands.

## 2.5. Tables

Put your table definition in `table` environment and give appropriate caption. All formatting and numbering will be set automatically. The `tabular` environment is wrapped into `table` environment hence it is floating object. If your table needs to be putted at specific place do not omit `table` environment but put optional `[H]` specifier (see tables 1 and 2).

**Tab. 1.** Sample table which shows within text

header1	header2	header3
first row	second column	last column

**Tab. 2.** Sample floating table

header1	header2	header3
first row	second column	last column

**Tab. 3.** Citing with apacite package

command	output
<code>\cite{Neitzel2010}</code>	(Neitzel, 2010)
<code>\cite{twoauthors}</code>	(Maxwell & Newton, 2017)
<code>\cite{multiplenames}</code>	(Maxwell et al., 2016)
<code>\citeA{Neitzel2010,mastersthesis}</code>	Neitzel (2010); Harwood (1993)
<code>\cite{book}</code>	(Babington et al., 1993)
<code>\citeNP{phdthesis}</code>	Joslin, 1993
<code>\citeNP{twoauthors}</code>	Maxwell & Newton, 2017
<code>\citeNP{multiplenames}</code>	Maxwell et al., 2016
<code>\citeA{moretheneight}</code>	Maxwell et al. (2013)
<code>\cite{moretheneight}</code>	(Maxwell et al., 2013)
<code>\cite{threenames}</code>	(Maxwell et al., 2006)
<code>\cite{proceedings}</code>	(Kidwelly & Horba, 1993)
<code>\citeA{proceedings}</code>	Kidwelly and Horba (1993)
<code>\cite{inproceedings}</code>	(Adam et al., 1993)
<code>\citeA{inproceedings}</code>	Adam et al. (1993)

## 2.6. Equations

Using and referencing equations is given with standard  $\LaTeX$  macros.

$$\frac{1}{m \cdot c^2} = \frac{1}{E} \quad (1)$$

This equation will be numbered properly and you can refer to them with appropriate `label` and `ref` command. Just like here in Equation 1.

## 2.7. References

You can still make your citation by hand writing, for example

Generalization of least-squares was given in literature (Neitzel, 2010)

or

Newton (1687) said that the Earth is flattened at the poles.

Within this method you have to replace `bibliography` command with `unnumbered section` command (`section*{References}`) and then put all your bibliography there. Make sure to format bibliography according to `apa` rules.

The preferred and recommended method here is to use `bibtex`<sup>1</sup> tool. Within this method all formatting will be done automatically. See the attached `rgg_sample_article.bib` file. Make sure to run `bibtex` command after compiling you source and afterwards compile in two times more to resolve appropriately all cross references. With this method citing should be done with commands given in `apacite` package documentation. To give a very quick introduction we list basic usage of these commands in Table 3.

<sup>1</sup>if you prefer using `biblatex+biber` is allowed, in that case just add class option `biblatex` and use appropriate cite command and run `biber` to process your citations instead of `bibtex`

### 3. Closing remarks

The Author(s) are kindly requested to submit, with the manuscript, the names, and e-mail addresses of five potential reviewers. Note that the editor retains the sole right to decide whether or not the suggested reviewers are used. The names of potential reviewers should be entered in the section Comments for the Editor in the 1st step of on-line submission process.

The `rgg.cls` use some standard packages. All modern distribution of  $\text{\LaTeX}$  compilers should include these external macros. If you encounter any problems read log file and if any dependencies are missing you still can download it from  $\text{\TeX}$  repositories.

Send all your external files (graphisc, bibliography settings) while submitting to Reports on Geodesy and Geoinformatics. The editors reserve the right to modify your source files to adapt it to journal requirements.

### Acknowledgement

If you would like to use any acknowledgement please insert it into `acknowledgement` command.

### References

- Adam, A., Boris, B., & Corry, C. (1993, 7). The title of the work in proceedings. In P. Kidwelly & M. Horba (Eds.), *The title of the proceedings* (Vol. 4). The address of the publisher: The name of the publisher.
- Babington, P., Maxwell, J., & Newton, I. (1993). *The title of the work* (3rd ed., Vol. 4). The address: The name of the publisher.
- Harwood, P. (1993). *The title of the work* (Unpublished master's thesis). The school where the thesis was written, The address of the publisher.
- Joslin, P. (1993). *The title of the work* (Unpublished doctoral dissertation). The school where the thesis was written, The address of the publisher.
- Kidwelly, P., & Horba, M. (Eds.). (1993, 7). *The title of the proceedings* (Vol. 4). The address of the publisher: The name of the publisher.
- Maxwell, G., & Newton, I. (2017). Example of citation with two names. *Future Geoscience*.
- Maxwell, G., Newton, I., & Darwin, G. (2006). Example of citation with three names. *Geoscience*.
- Maxwell, G., Newton, I., Darwin, G., Aristoteles, & Else, S. (2016). Example of citation with more then three names. *Geoscience*.
- Maxwell, G., Newton, I., Darwin, G., Aristoteles, Else, S., To, M., ... Owens, J. (2013). Example of citation with more then eight names. *Geoscience*.
- Neitzel, F. (2010). Generalization of total least-squares on example of unweighted and weighted 2d similarity transformation. *Journal of Geodesy*, 84(12), 751-762. doi: 10.1007/s00190-010-0408-0

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## Appendix

### Listing of rgg\_sample\_article.tex file (source of this document)

```

\documentclass{rgg}

%% the package below ('verbatim') is included
%% in this example only to list
%% the source code at the end of this example
%% the authors can remove this declaration
\usepackage{verbatim}

\title[The sample paper\ldots]{%
  The sample paper and guidelines for using \LaTeX{} class for submission to
  Reports on Geodesy and Geoinformatics}

\author[Smith, J., White, J.]{John Smith{1,2}, Jerry White{2}}

\affiliation{%
  {1}Department of Very Important Issues,\\
  Faculty of Even More Important Issues,\\
  Awesome University
  \nextaffiliation
  {2}Department of Geodesy Affairs,\\
  Institute of Geodesy and Geoinformatics
}

\begin{document}
  \maketitle

  \begin{abstract}
    This paper gives you template for preparing article for ‘‘Reports on
    Geodesy and Geoinformatics’’. The authors are requested to prepare the
    paper according to the scheme given below. The length of the abstract
    should be not larger than 200\,-\,250 words.
    \keywords{insert 3\,-\,4 keywords or phrases}
  \end{abstract}

  \section{General information}
  Use \texttt{rgg} \LaTeX{} class%
  for article preparation.
  Make sure that \texttt{rgg.cls} is assesible in your
  \texttt{TEXPATH} variable or this class file can be put
  in your working directory with other \texttt{.tex} file(s).

  Using external packages and user defined commands is allowed
  but do not change the formatting settings.
  Remember to send all your files (except \texttt{rgg.cls})
  with all your settings and inputs.

  \section{Main structure}
  \label{labelforsection}

  Following sections gives the basic rules for formatting your
  paper.

  \subsection{Title, author info and abstract}
  Use \texttt{title}, \texttt{author}
  and \texttt{affiliation} command
  to define your title page. This can be done
  in your preamble or at the beginning of the document.
  To make titling visible use \texttt{maketitle} command.

  Optionally specify short version of author(s) and title information
  for running header (again example within this file in the square brackets).

  Put appropriate reference number near each author in superscript
  and refer this number in special \texttt{affiliation} command.
  If all authors has the same affiliation you can skip superscripts.
  Put your affiliation info in \texttt{affiliation} command
  and separate several affiliations with \texttt{nextaffiliation} command.

  Please put short note about author(s)
  in \texttt{authornote} command

```

at the end of article with short information about contributors. Put your electronic address within `\texttt{email}` command. The electronic mail address of all Authors is indispensable.

```
\subsection{Sectioning}
\label{labelforsubsection}
For sectioning use standard \LaTeX{} commands
\texttt{section} and \texttt{subsection}.
All numbering will be added automatically.
To refer to section or subsection number
simply use \texttt{label} just after the section
name and then you can freely refer to it in subsequent text
using \texttt{ref} and label name.
Just like here for section~\ref{labelforsection} or
subsection~\ref{labelforsubsection}.
Do not go to deep in sectioning, \emph{i.e.} try to avoid
\texttt{subsubsection}s.

\subsection{Lists}
Use standard commands for itemization and enumeration.
This example below is self explanatory.
Use it like here,
\begin{itemize}
  \item First item,
  \item Second item,
\end{itemize}
or here,
\begin{enumerate}
  \item Again first item,
  \item And the last one.
\end{enumerate}

\subsection{Figures}
You should not worry about figure placement.
Just wrap your graphics in \texttt{figure}
environment and use standard \texttt{caption}
command as in example below.
To refer to this figure again use pair of \texttt{label}
\texttt{ref} commands.
\begin{figure}
  \includegraphics{figure}
  \caption{This is caption of Figure~\ref{figurecaption}}
  \label{figurecaption}
\end{figure}

\subsection{Tables}
Put your table definition in
\texttt{table} environment and give appropriate caption.
All formatting and numbering will be set automatically.
The \texttt{tabular} environment is wrapped into
\texttt{table} environment hence it is floating object.
If your table needs to be putted at specific place
do not omit \texttt{table} environment but put
optional \texttt{[H]} specifier
(see tables~\ref{labelforheretable} and \ref{labelforgloatingtable}).

\begin{table}[H]
  \caption{Sample table which shows within text}
  \label{labelforheretable}
  \begin{tabular}{ccc}
    \toprule
    header1      & header2      & header3      & \\
    \midrule
    first row    & second column & last column  & \\
    \bottomrule
  \end{tabular}
\end{table}

\begin{table}[b]
  \caption{Sample floating table}
  \label{labelforgloatingtable}
  \begin{tabular}{@{}lll@{}}
```

```

\toprule
header1 & header2 & header3 \\
\midrule
first row & second column & last column \\
\bottomrule
\end{tabular}
\end{table}

\subsection{Equations}
Using and referencing equations
is given with standard \LaTeX{} macros.
\begin{equation}
\frac{1}{m}\dot{c}^2 = \frac{1}{E}
\label{equationlabel}
\end{equation}
This equation will be numbered properly and you
can refer to them with appropriate
\texttt{\label} and \texttt{\ref} command.
Just like here in Equation~\ref{equationlabel}.

\subsection{References}
You can still make your citation by hand writing, for example
\begin{quotation}
Generalization of least-squares was given in literature (Neitzel, 2010)
\end{quotation}
or
\begin{quotation}
Newton (1687) said that the Earth is flattened at the poles.
\end{quotation}
Within this method you have to replace \texttt{bibliography}
command with unnumbered section command (\texttt{section*}\{References\})
and then put all your bibliography there. Make sure to format bibliography
according to \texttt{apa} rules.

The preferred and recommended method here is to use
\texttt{bibtex}\footnote{if you prefer using \texttt{biblatex+biber} is allowed,
in that case just add class option \texttt{biblatex} and use appropriate
cite command and run \texttt{biber} to process your citations instead of \texttt{bibtex}}
tool. Within this method all formatting will be done automatically.
See the attached \texttt{rgg\_sample\_article.bib} file.
Make sure to run \texttt{bibtex} command after compiling you source
and afterwards compile in two times more to resolve appropriately all cross
references.
With this method citing should be done with commands given
in \texttt{apacite} package documentation.
To give a~very quick introduction we list basic usage of these commands in
Table~\ref{apacitecommands}.
\begin{table}
\caption{Citing with \texttt{apacite} package}
\label{apacitecommands}
\begin{tabular}{lll}
\toprule
command & & & & output & \\
\midrule
\verb|\cite{Neitzel2010}| & & & & \cite{Neitzel2010} & \\
\verb|\cite{twoauthors}| & & & & \cite{twoauthors} & \\
\verb|\cite{multiplenames}| & & & & \cite{multiplenames} & \\
\verb|\citeA{Neitzel2010,mastersthesis}| & & & & \citeA{Neitzel2010,mastersthesis} & \\
\verb|\cite{book}| & & & & \cite{book} & \\
\verb|\citeNP{phdthesis}| & & & & \citeNP{phdthesis} & \\
\verb|\citeNP{twoauthors}| & & & & \citeNP{twoauthors} & \\
\verb|\citeNP{multiplenames}| & & & & \citeNP{multiplenames} & \\
\verb|\citeA{moretheneight}| & & & & \citeA{moretheneight} & \\
\verb|\cite{moretheneight}| & & & & \cite{moretheneight} & \\
\verb|\cite{threenames}| & & & & \cite{threenames} & \\
\verb|\cite{proceedings}| & & & & \cite{proceedings} & \\
\verb|\citeA{proceedings}| & & & & \citeA{proceedings} & \\
\verb|\cite{inproceedings}| & & & & \cite{inproceedings} & \\
\verb|\citeA{inproceedings}| & & & & \citeA{inproceedings} & \\
\bottomrule
\end{tabular}
\end{table}

```

```
\section{Closing remarks}
The Author(s) are kindly requested to submit, with the manuscript,
the names, and e-mail addresses of five potential reviewers. Note
that the editor retains the sole right to decide whether or not the
suggested reviewers are used. The names of potential reviewers should
be entered in the section Comments for the Editor in the 1st step of
on-line submission process.

The \texttt{rgg.cls} use some standard packages.
All modern distribution of \LaTeX{} compilers should include
these external macros.
If you encounter any problems read log file and if any dependencies are
missing you still can download it from \TeX{} repositories.

Send all your external files (graphisc, bibliography settings) while
submitting to Reports on Geodesy and Geoinformatics.
The editors reserve the right to modify your source files to adapt it to
journal requirements.

\acknowledgement{
  If you would like to use any acknowledgement
  please insert it into
  \texttt{acknowledgement} command.
}

\bibliography{rgg_sample_article}

\authornote{%
  Professor John Smith$^{1,2}$ \email{johnsmith@xxx.com}\\
  PhD Jerry White$^2$ \email{jerry@yyy.pl}\\
  $^1$Department of Very Important Issues

  Faculty of Even More Important Issues,\\
  Awesome University\\
  Awesomness St. 8, 00-000, Freedomtown, Freedom Country

  $^2$Department of Geodetic Affairs,\\
  Institute of Geodesy and Geoinformatcis\\
  North Pole Street, South Pole
}

%% this last part is just inclusion of source file
%% only for documentation purposes
\clearpage
\section*{Appendix}

\subsection*{Listing of \texttt{rgg\_sample\_article.tex} file
(source of this document)}
{\scriptsize\verbatiminput{./rgg_sample_article.tex}}

\subsection*{Listing of \texttt{rgg\_sample\_article.bib} file
(source of bibliography)}
{\scriptsize\verbatiminput{rgg_sample_article.bib}}

\subsection*{Listing of \texttt{rgg.cls} file (journal \LaTeX{} class, \texttt{rggversion})}
{\scriptsize\verbatiminput{rgg.cls}}
\end{document}
```

## Listing of rgg\_sample\_article.bib file (source of bibliography)

```
%% this file is an example of bibtex file
%% part of rgg.cls suite

@article{Neitzel2010,
  author = {Neitzel, F.},
  year = {2010},
  title = {Generalization of total least-squares on example of unweighted and weighted 2D similarity transformation},
  journal = {Journal of Geodesy},
  volume = {84},
  number = {12},
  pages = {751-762},
  doi = {10.1007/s00190-010-0408-0},
```



```

}

@book{book,
  author    = {Peter Babington and James Maxwell and Isaac Newton},
  title     = {The title of the work},
  publisher = {The name of the publisher},
  year      = {1993},
  volume    = {4},
  series    = {10},
  address   = {The address},
  edition   = {3},
  month     = {7},
  isbn      = {3257227892}
}

@manual{manual,
  title     = {The title of the work},
  author    = {Peter Gainsford},
  organization = {The organization},
  address   = {The address of the publisher},
  edition   = {3},
  month     = {7},
  year      = {1993},
}

@mastersthesis{mastersthesis,
  author    = {Peter Harwood},
  title     = {The title of the work},
  school    = {The school where the thesis was written},
  year      = {1993},
  address   = {The address of the publisher},
  month     = {7},
}

@phdthesis{phdthesis,
  author    = {Peter Joslin},
  title     = {The title of the work},
  school    = {The school where the thesis was written},
  year      = {1993},
  address   = {The address of the publisher},
  month     = {7},
}

@proceedings{proceedings,
  title     = {The title of the proceedings},
  year      = {1993},
  editor    = {Peter Kidwelly and M. Horba},
  volume    = {4},
  series    = {5},
  address   = {The address of the publisher},
  month     = {7},
  organization = {The organization},
  publisher = {The name of the publisher},
}

@inproceedings{inproceedings,
  title     = {The title of the work in proceedings},
  year      = {1993},
  author    = {A. Adam and B. Boris and C. Corry},
  crossref  = {proceedings},
  booktitle = {The title of the proceedings},
}

@article{multiplenames,
  title     = {Example of citation with more than three names},
  year      = {2016},
  author    = {George Maxwell and Isaac Newton and George Darwin and Aristoteles and Someone Else},
  journal   = {Geoscience},
}

@article{threenames,
  title     = {Example of citation with three names},
  year      = {2006},
}

```

```
author = {George Maxwell and Isaac Newton and George Darwin},
journal = {Geoscience},
}

@article{moretheneight,
  title   = {Example of citation with more than eight names},
  year    = {2013},
  author  = {George Maxwell and Isaac Newton and George Darwin and Aristoteles and Someone Else and Me To and He Also and More},
  journal = {Geoscience},
}

@article{twoauthors,
  title   = {Example of citation with two names},
  year    = {2017},
  author  = {George Maxwell and Isaac Newton},
  journal = {Future Geoscience},
}
```

## Listing of rgg.cls file (journal L<sup>A</sup>T<sub>E</sub>X class, v1.4)

```
%% This file is LaTeX class for submission
%% to Reports on Geodesy and Geoinformatics

%% this class follows author guidelines specified at
%% http://www.reports.gik.pw.edu.pl
%% and mimic the official Word template

%% DO NOT edit this file directly
%% put all your additional settings
%% inside your .tex file(s) submitted to editors.

%% If you believe that there is a bug in this class
%% or you encountered any incompatibilities
%% or other technical issues
%% or you need any fancy setting which cannot be achieved
%% without touching this class file
%% please contact mrjajner@gik.pw.edu.pl
%% or marcin.rajner@pw.edu.pl

%% up to date and development version of rgg.cls file
%% can be found on
%% http://www.grat.gik.pw.edu.pl/rgg/

%% Created: 2015-11-16 by Marcin Rajner
%% Version: v1.4
%% Date:    2018-02-01 01:28:59 +0100

\NeedsTeXFormat{LaTeX2e}
\ProvidesClass{rgg}[2018/02/01]
\def\rggversion{v1.4}

%% use standard article rules by default
%% with 12 point font size
\LoadClass[12pt,twoside]{article}

%% American language rules for whole document
\RequirePackage[american]{babel}

%% For non ascii characters
%% non-english names etc.
\RequirePackage[T1]{fontenc}

\parskip=0em
\parindent=1.5em

%% process class options
\RequirePackage{kvoptions}
\SetupKeyvalOptions{
  family=rgg,
  prefix=rgg@,
}
\DeclareStringOption[] {startpage}
\DeclareStringOption[] {volume}
```

```

\DeclareStringOption[1]{number}
\DeclareStringOption[] {doi}
\DeclareStringOption[] {year}
\DeclareStringOption[] {type}
\DeclareStringOption[] {received}
\DeclareStringOption[] {accepted}
\DeclareBoolOption{review}
\DeclareBoolOption[false]{logodg}
\DeclareBoolOption[false]{biblatex}
\DeclareBoolOption[true]{hyperref}
\DeclareBoolOption[true]{headers}
\DeclareStringOption[2391-8152]{eISSN}
\DeclareStringOption[2391-8365]{ISSN}
\ProcessKeyvalOptions*

\ifx\rgg@startpage\empty\else
  \setcounter{page}{\rgg@startpage}
\fi

\ifrgg@review
\RequirePackage{lineno}
\linenumbers
\linespread{2}
\fi

%% use a4 paper size with all margins set to 2.5 cm
\RequirePackage
[
  a4paper,
  margin = 2.5cm,
  % includehead,
  headheight=1cm,
]
{geometry}

%% font selection according to engine used in compilation
\RequirePackage{ifxetex,iflualatex}
\newif\ifxetexorlualatex
\ifxetex
  \xetexorlualatextrue
\else
  \iflualatex
    \xetexorlualatextrue
  \else
    \xetexorlualatexfalse
  \fi
\fi

\ifxetexorlualatex
  %% if you compile document using xelatex or lualatex you can
  %% directly access system fonts
  %% while Arial is not free font and could not be installed
  %% on every machine you can use linux substitute named
  %% Liberation Sans
  %% if you have Arial installed you can uncomment
  %% line \setmainfont{Arial}
  \RequirePackage{fontspec}
  \setmainfont{Liberation Sans}
  % \setmainfont{Arial}
\else
  %% Unicode support for (pdf)latex
  \RequirePackage[utf8]{inputenc}
  \RequirePackage[scaled]{helvet}
\fi

%% use sans-serif font for whole document
\renewcommand{\familydefault}{\sfdefault}
\RequirePackage{sansmath}\sansmath

\def\titlepageheading{
%% Crude method for uneven header separator
%% add logo to title page
\noindent\parbox[t]{\textwidth}{%

```

```

\ifrgg@logodg
\IfFileExists{logo_dg.png}{%
  \includegraphics[height=1.3cm]{logo_dg}}
{\vskip1.3cm}
\fi
}
\par
\kern 2pt
\ifrgg@headers
\hbox to \textwidth{\headerfirstpage\hfill\doiheader}
\kern 2pt
\hrule height 0.4pt
\thispagestyle{plain}%
\else
\thispagestyle{empty}%
\hbox to \textwidth{\phantom{\headerfirstpage\hfill\doiheader}}
\kern 2.4pt
\fi
\par
\vskip4em
\noindent\raisebox{0pt}[0pt][0pt]{%
%% arttype takes precedence over 'type' option
%% and is obsolete method provided for
%% backward compatibility
\ifdefined\arttype%
\fbbox{\arttype}
\else
\ifx\rgg@type\empty\else
\fbbox{\vphantom{}}\rgg@type}
\fi
\fi
}\par
\noindent{\small%
Received: \rgg@received
/
Accepted: \rgg@accepted
}
\vskip1.5em
}

%% maketitle command style
\renewcommand\maketitle{
\titlepageheading
% \parbox{14cm}{%
%% title bold and centred and all in upper case
\begin{center}
{\bfseries\large\MakeUppercase{\@title}\par}
\end{center}
% }
\begin{center}
{\bfseries\@author}\\
\vspace*{0.5em}
{\@affiliation}
\end{center}

%% no floats on title page
\suppressfloats
}

%% float environments
\RequirePackage{floatrow}
\floatsetup[table]{
  capposition=top,
}
%% smaller font for tables
\floatsetup[table]{font=small}

\RequirePackage{caption}
\captionsetup
{
  labelsep=period,
  labelfont={bf,small},
  font=small,

```

```

    tablename=Tab.,
    figurename=Fig.,
}

\RequirePackage{booktabs}

%% affiliation environment
\newcommand\affiliation[1]{\gdef\@affiliation{#1}}
\gdef\@affiliation{}
\newcommand\nextaffiliation{\leavevmode\vskip0.5em}

%% author and short version of atuhor to running header
\renewcommand\author{\ifnextchar [{\@authorwo}{\@authorone}}%
\def\@authorwo[#1]#2{\gdef\@author{#2}\gdef\@shortauthor{#1}}
\def\@authorone#1{\gdef\@author{#1}}
\begingroup\def\and{\and}\gdef\@shortauthor{#1}\endgroup
\gdef\@author{\mbox{}}

%% same for title
\renewcommand\title{\ifnextchar [{\@titletwo}{\@titleone}}%
\def\@titletwo[#1]#2{\gdef\@title{#2}\gdef\@shorttitle{#1}}
\def\@titleone#1{\gdef\@title{#1}}
\begingroup\def\and{\and}\gdef\@shorttitle{#1}\endgroup
\gdef\@title{\mbox{}}

% redefinition of section and subsection environment
\renewcommand\@secntformat[1]{\csname the#1\endcsname.\quad}
\renewcommand\section{%
  \@startsection {section}{1}{\z@}%
  {-1em \@plus -1ex \@minus -.2ex}%
  {0.5em \@plus.2ex}%
  {\normalfont\bfseries}%
}
\renewcommand\subsection{\@startsection {subsection}{1}{\z@}%
  {-0.6em \@plus -1ex \@minus -.2ex}%
  {0.3em \@plus.2ex}%
  {\normalfont\bfseries}%
}%}

%% apply ‘better’ microtypography
\RequirePackage{microtype}

%% enhance math mode
\RequirePackage{amsmath}
\RequirePackage{amssymb}

%% include graphics
\RequirePackage{graphicx}

%% abstract and keywords

\newcommand\keywords[1]{\long\gdef\@keywords{#1}}
\gdef\@keywords{}
\renewenvironment{abstract}
{
  \setlength{\leftmargin}{5em}%
  \list{}{\setlength{\rightmargin}{\leftmargin}}%
  \item\relax{\bfseries \abstractname}\newline
  \parskip=0em
  \parindent=1.5em
  \itshape
}{\upshape\newline\vskip-0.5em
  \noindent\textbf{Keywords:}
  \@keywords
  \vspace{0.6em}
\endlist}

\RequirePackage{lastpage}
\RequirePackage{fancyhdr}
\pagestyle{fancy}
\fancyhead{}
\fancyfoot{}

```



```

\leaders\vrule width 0.5\textwidth\vskip0.4pt
\nointerlineskip
\vskip5pt\nobreak
}

%% authornote
\RequirePackage{array,longtable}
\newcommand{\authornote}[1]{%
  \thisfloatsetup{font=normalsize}
  \disappearingrule
  {%
    \parindent=0em
    \leftskip=0.15\linewidth%
    \rlap{\textbf{Authors:}}
    \vskip-\baselineskip
    {#1}
    \par
  }
}

%% remove unnecessary space in lists
\usepackage{enumitem}
\setlist{nosep}

\usepackage[all]{nowidow}

%% avoid unnecessary float pages
\renewcommand{\floatpagefraction}{0.75}

\ifrgg@biblatex
%%bibliography
\RequirePackage
[
  backend      = biber,
  style        = apa,
  uniquename   = false,
  uniquelist   = minyear,
  maxbibnames  = 99,
  labeldate    = true,
  apamxprtauth = 99,
]
{biblatex}
\DeclareLanguageMapping{american}{american-apa}
\urlstyle{tt}

\RequirePackage{xpatch}
\xpatchnameformat{labelname}
{\ifciteseen}{\ifnumcomp{\value{listtotal}}{>}{\value{maxnames}}}{\}{}

\newcommand{\bibtextobiblatex}{%
  \let\oldcite=\cite
  \let\citeNP=\oldcite\relax
  \let\cite=\parencite\relax
  \let\citeA=\textcite\relax
  \RenewDocumentCommand{\bibliography}{m}{%
    \printbibliography
  }
}

%% keep title captialics in bibliography as
%% they where given by authors
\DeclareFieldFormat{titlecase}{%
  {#1}
}
\DeclareFieldFormat{apacase}{%
  {#1}
}
}
\else

%% Use the APA format as a style of citation and reference list
%% (see Guidelines for APA Citation Style with examples)
\bibliographystyle{apacite}

```

```
%% force using apa style for bibliography
\RequirePackage[apaciteclassic]{apacite}

%% slightly modified APA style to meet 'rgg' standards
%% i.e. give et al. if at least 3 authors
%% (originall APA truncate names after 5 authors)
\AtBeginDocument{%
  \let\cite=\shortcite
  \let\citeA=\shortciteA
  \let\citeNP=\shortciteNP
}
\fi
%% use rgg appropriate bibitem spacing
% \setlength{\bibitemsep}{1\baselineskip}

\endinput
```