

# The package `prociAGssymp.sty` for the formatting of a paper with the style of the proceedings of symposia sponsored by IAG

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**Abstract.** The package `prociAGssymp.sty` has been designed to help the formatting of a paper with the style of the proceedings of symposia sponsored by the "International Association of Geodesy (IAG)". This paper itself is an example of the use of the package. It contains instructions and suggestions for the use of the package, while most of the comment included in `prociAGssymp.sty` are of a more technical nature.

**WARNING:** I have not recently checked the instruction from the publisher of the proceedings of IAG-sponsored-symposia. I presume that "official" more refined and up-to-date "sty" and "cls" files are now available from the publisher. This package is therefore not as useful as it was at the time of it's first publication, but it is perhaps still convenient for some user.

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## 1 Introduction

The package `prociAGssymp.sty` provides some (re-)definitions of  $\LaTeX$  commands. The use of the package is explained in this text.

I have tried to provide a package that helps in the preparation of a paper that corresponds to the instructions distributed by the publisher of the proceedings of IAG-sponsored-symposia, but please read the subsection **Important notes** below.

The curious readers are invited to look directly at the source of this file and, more important, to the code in the file `prociAGssymp.sty`.

## 2 Suggestions for the user

### 2.1 General page lay-out

The general lay-out of the pages is controlled by some assignment made by `prociAGssymp.sty` AND by the use of the class `article` that must be loaded with the proper options, i.e. `[a4paper,twocolumn,10pt]` .

### 2.2 Top-matter

The title and the author(s) must be prepared with `\title{ . . . }` and `\author{ . . . }` and they will be printed by `\maketitle`. The use of `\thanks{ . . . }` inside the argument of `\title{ . . . }` is not appropriate because this command has been redefined. If there are several authors, their names must be separated by `\and`. The authors that share the same address must be listed consecutively and must be followed by `\thanks{ . . . }` (with the address as argument). To see an example you can see the code of this file.

### 2.3 Sectioning

The use of `\section{ . . . }` and `\subsection{ . . . }` can be done as in any  $\LaTeX$  paper. These commands have been redefined so that they produce the first level and second level headers in the proper format. All the other sectioning commands have been redefined with a coherent style. The command `\section*{References}` can be used to start the reference list. One of the following sections is just a test of the various sectioning commands.

### 3 Test of sectioning (1st level)

#### 3.1 Test of sectioning (2nd level)

##### 3.1.1 Test of sectioning (3rd level)

This is just an example of the use and abuse of `\section`, `\subsection` and `\subsubsection`. We can also test `\paragraph` and `\subparagraph`.

**Paragraph** This is a paragraph, headed by `\paragraph`.

**Subparagraph** This is a sub paragraph. And the section end HERE.

### 4 Technicalities

#### 4.1 About the format of the top-matter

The main structure of the topmatter is governed by `\@maketitle` which is properly redefined. The command `\thanks` has been redefined to print the authors' address immediately after the authors' names. The new form of this command makes it unsuitable to put a note to the title.

#### 4.2 Compatibility

The package has been used together with the `article` class and with several packages including: `makeidx`, `amsmath`, `amssymb`, `apalike`, `array`, `epsfig`, `graphicx` and `verbatim`. I have not found any compatibility problem.

### 5 Some info from the internal documentation

#### 5.1 Important Notes

1. The files that are distributed are :
  - `README.txt` ,
  - `procIAGssymp.sty` ,
  - `TestprocIAGssymp.tex` ,
  - `TestprocIAGssymp.pdf` .
2. The copyright holder of this package is its author. This program may be used, distributed and/or modified under the conditions of the LaTeX Project Public License. The latest version of this license is in: <http://www.latex-project.org/lppl.txt>
3. When this package is used the correspondence between the obtained result and any requirement and prescription must be judged by the user.

4. The release of this package on CTAN is a personal initiative of its author. The mention of IAG and of the publisher of the proceedings of the symposia sponsored by IAG does not imply any involvement of these entities in this initiative.

#### 5.2 History

**2000-2002:** development, test, in-house use,

**2002:** released in CTAN,

**2022:** general revision, changes in the comments and documentation, new release in CTAN.

#### 5.3 Acknowledgment

People listed here after contributed with suggestions. Some of them also provided fragments of code.

Claretta Carrara, Nico Snew, Claudio Beccari.

### 6 Recommendation

I recommend all the users of the package `procIAGssymp.sty` to send me any comment about it.