Article preparation guidelines for *Astrophysics and Space Science*

Abstract This paper explains the use of template provided for manuscript preparation and give some practical guidance.

1 Introduction

Template is based on AASTEX v5 package developed by the American Astronomical Society (AAS). It is available in the bundle you have downloaded, or you can obtain it from http://www.journals.uchicago.edu/AAS/AASTeX/. The AASTEX guide on manuscript preparation should be followed.

The bundle comes with two additional packages: `spr-astr-addons.sty` and `spr-mp-nameyear.bst`. The package `spr-astr-addons.sty` redefines some internals of AASTEX class, giving an author a general idea about the final article output. It superseeds layout AASTEX class options. The package defines new macros `\citeauthor`, `\citeyear` (see Section 3.1) and redefines abbreviations of journal names (Section 4). Author may wish not use this package, having plain AASTEX.

The file `spr-mp-nameyear.bst` is a BibTEX style (see Section 6.1)

Next, there are some additional remarks on manuscript preparation that are not in AASTEX guide.

2 Frontmatter

2.1 Abstract

While in gereral we strongly encourage authors to use `\cite` command to cite reference(s) (see Section 3.1), the abstract is an exception. Please cite references, that appear in abstact, in full. This is due to the fact that an electronic version of abstract can appear on the web without references list, resulting in citing undefined item. Therefore, please cite Alexander and Ferguson, Astrophys. J. **437**, 879 (1994) instead of Alexander and Ferguson (1994).

3 Mainmatter

3.1 Cite references

Please use use `\cite` command (or equivalent command `\citep`, `\citet`, `\citeauthor`, `\citeyear`) to cite reference(s). See Section 4 of `sample.tex`.

3.2 Use labels

You can define labels for many items like sections, equations, figures, tables, and citations. The systematic use of these labels greatly facilitates the writing of a scientific article. It permits one to re-number or re-order automatically the features during the compilation (e.g. when adding or moving a section).

4 Journal abbreviations

\aj	Astron. J.
\actaa	Acta Astron.
\araa	Annu. Rev. Astron. Astrophys.
\apj	Astrophys. J.
\apjl	Astrophys. J. Lett.
\apjs	Astrophys. J. Suppl. Ser.
\ao	Appl. Opt.
\apss	Astrophys. Space Sci.
\aap	Astron. Astrophys.
\aapr	Astron. Astrophys. Rev.
\aaps	Astron. Astrophys. Suppl. Ser.
\azh	Astron. Zh.
\baas	Bull. Am. Astron. Soc.
\caa	Chin. Astron. Astrophys.
\cjaa	Chin. J. Astron. Astrophys.
\icarus	Icarus

\jcap	J. Cosmol. Astropart. Phys.
\jrasc	J. R. Astron. Soc. Can.
\memras	Mem. R. Astron. Soc.
\mnras	Mon. Not. R. Astron. Soc.
\na	New Astron.
\nar	New Astron. Rev.
\pra	Phys. Rev. A
\prb	Phys. Rev. B
\prc	Phys. Rev. C
\prd	Phys. Rev. D
\pre	Phys. Rev. E
\prl	Phys. Rev. Lett.
\pasa	Proc. Astron. Soc. Aust.
\pasp	Publ. Astron. Soc. Pac.
\pasj	Publ. Astron. Soc. Jpn.
\qjras	Q. J. R. Astron. Soc.
\rmxaa	Rev. Mexicana Astron. Astrofis.
\skytel	Sky Telesc.
\solphys	Sol. Phys.
\sovast	Soviet Astron.
\ssr	Space Sci. Rev.
\zap	Z. Astrophys.
\nat	Nature
\iaucirc	IAU Circ.
\aplett	Astrophys. Lett.
\apspr	Astrophys. Space Phys. Res.
\bain	Bull. Astron. Inst. Neth.
\fcp	Fundam. Cosmic Phys.
\gca	Geochim. Cosmochim. Acta
\grl	Geophys. Res. Lett.
\jcp	J. Chem. Phys.
\jgr	J. Geophys. Res.
\jqsrt	J. Quant. Spec. Radiat. Transf.
\memsai	Mem. Soc. Astron. Italiana
\nphysa	Nucl. Phys. A
\physrep	Phys. Rep.
\physscr	Phys. Scr.
\planss	Planet. Space Sci.
\procspie	Proc. SPIE

5 Additional statments

There are several environments for additional statments:

- `authorcontribution`
- `fundinginformation`
- `dataavailability`
- `materialsavailability`
- `codeavailability`
- `ethics` where can be written declarations like `conflict`.

For example:

```
\begin{codeavailability}
Information about available code ...
\end{codeavailability}

\begin{ethics}
\begin{conflict}
The authors declare that they have no conflicts of interest ....
\end{conflict}
\end{ethics}
```

6 Backmatter

6.1 The `thebibliography` environment

AASTeX uses `natbib` package for citation management. If you use BibTeX to generate the bibliography list, please use `spr-mp-nameyear-cnd` style provided with this bundle:

```
\bibliographystyle{spr-mp-nameyear-cnd}
\bibliography{<bib file>}
```

Alternatively you can define bibliography list as follows:

```
\bibitem[\protect\citeauthoryear{<author>}{<year>}]{<key>}
  <bibliographic data>
```

References

Alexander, D.R., Ferguson, J.W.: Low-temperature Rosseland opacities. Astrophys. J. **437**, 879 (1994)

This manuscript was prepared with the AAS LaTeX macros v5.2.