# Article preparation guidelines for Astrophysics and Space Science

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**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  $BibT_EX$  style (see Section 5.1)

Next, there are some additional remarks on manuscript preparation that are not in AAST<sub>F</sub>X 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

Astron. J.

∖aj

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

#### 5 Backmatter

## 5.1 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>}
<br/>
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#### References

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