

Physics of Plasmas
Editorial Requirements

- **Manuscript Format**
- **Reference Formats**

Note: If you have any questions regarding editorial requirements, please contact us!

**Ph: 609-243-2425 or
sschmidt@pppl.gov**

We're here to help!

Physics of Plasmas - General Format Requirements

Structure of paper:

Note: All pages of the manuscripts must be double spaced.

Preferred Order: (Page numbering runs through the figure captions.)

title and abstract page (page 1)
text (begins on page 2)
acknowledgments and appendices
references (begins on new page)
tables (on separate pages, if possible, or they can now be included in the text)
figure captions (separate section)
figures
(it is now possible to include the figures and captions in the body of the text)

Title:

- Capitalize only the first word in the title, unless there is a proper noun in the title.
- Spell out all acronyms (including machines) in title.

Authors' names and addresses:

- Give full mailing addresses.
- Give alternate addresses at bottom of page 1.
- Spell out all acronyms in addresses (e.g. institution names like UCLA).
- The e-mail address of the corresponding author can be printed if you wish.

Abstract:

- Limit the length of the abstract to approximately 150 words.
- No personal pronouns are permitted in the abstract.
- Spell out acronyms in the abstract (and again in the text).
- Give references for machines in the abstract (see below for more information)

Text:

- Use Roman numerals to label main section headings and to refer to such sections within the text:

I. INTRODUCTION

. . . in Sec. IV

Subsections are first lettered, then numbered:

I. INTRODUCTION

A. Second-level section heading
1. *Third-level section heading*

--- No footnotes are permitted in the text (they are numbered and listed with the references).

--- Numbering of equations: a) Equations are numbered consecutively through the entire paper as simply (1), (2), (3)...; In the appendices, the numbering starts over as (A1), (A2), (A3)...; If more than one appendix, then (A1), etc. for Appendix A; (B1), etc. for Appendix B...

b) When a numbered equation has more than one part and that (those) part(s) consecutively follow, then they are indicated as follows:

(21)

(22a)

(22b)

(22c)

c) If, however, they do not follow consecutively, primes are used:

(21)

(22a)

(22b)

(21')

(21'')

Acknowledgements:

--- Spell out acronyms and abbreviations (even if done so in the text).

--- List financial support here.

Appendices:

--- Must be titled.

--- Equations are numbered separately from those in the text: (A1), (A2); then if Appendix B: (B1)...

References: see enclosed Reference Formats.

Tables:

Please follow the format as shown below, particularly noting the where the double and single horizontal lines should go. No vertical lines are to be used. See example below.

Table II. Caption text should be placed above the table itself.

Column headings spaced appropriately

Rows of data should also be spaced appropriately, not separated by lines.

The end of the table should be noted with a final double line.

Figure captions:

--- It is preferred that figure captions be listed together in a separate section after the tables (captions are not placed on the figures themselves). But, it is now also possible to have the figures

and captions appear in the body of the text. The captions should not be included in the figure files, only in the text file.

--- The caption should be complete and intelligible in itself, without reference to the text.

-- Note if a figure is in online only color or print color in the caption. If online only, then: "Figure 1 (Color online)..."; if print color, then: "Figure 1 (Color)..."

Figures: see enclosed Figure Format.

Some Dos and Don'ts:

- **Machines and computer codes:**

Each machine and computer code mentioned must be given a basic reference in the abstract and again in the text that will direct the reader to general information on its background, design, history, etc. The reference in the abstract must be the full citation, enclosed in brackets. Do not give the full author list -- use of *et al.* is fine in the abstract and the text. E.g., [M. Setlock, *et al.*, Phys. Plasmas **2**, 1867 (1995)]

- Use **square brackets** for a parenthetical remark that already contains parentheses:

. . . [see Eq. (3)]. . .

- The words "Figure" (or Fig.), "Equation" (Eq.), and "Reference" (Ref.) are **capitalized** when used to cite specific items in the text.

- The journal follows AIP's policy on **standard abbreviations and acronyms**. This means, for example, that rf, dc, ac and hf no longer need to be defined or capitalized. A complete list of approved abbreviations and acronyms can be found in the AIP Style Manual (1991).

Physics of Plasmas - Formats for References

Incomplete or unacceptable references are frequent editorial problems. Careful attention to format requirements while preparing the paper for submission will save you having to spend extra time and effort reworking your reference pages later. If you can't find an appropriate format below for a reference you want to use, please contact Sandy Schmidt in the Editorial Office.

Some general guidelines:

- author lists – a recent change by the publisher now means that all authors must be listed for each reference. If the list is excessively long, then list the first ten, followed by et al., and note this in your cover letter to the Editor.
- spell out all acronyms and abbreviations (except for the standard shortened names for journals)
- references are introduced sequentially in the text and continue through the appendices
- footnotes are not put at the bottom of the pages, but numbered and listed with the references
- financial support information is not footnoted or referenced, but put in an acknowledgment at the end of the text.

Specific types of references:

Articles “submitted to” or “accepted for publication” (but not yet published)

in a journal: Must include the title of the article. When possible, these references should be updated in the galley proof.

²⁷ W. Morris-Schmidt, "A theory for scrape off layer phenomena," submitted to Phys. Plasmas.

Books: List authors and editors. Must include publisher, city and year of publication, and the page numbers (unless the entire book is being cited).

¹² O.L. Wheeler, in *Plasma Diagnostics Techniques*, edited by R. H. Huddlestone and S.L. Leonard (Academic, New York, 1965), p. 167.

Bulletins: The only bulletin that is permitted as a reference is the annual Bulletin of the American Physical Society for the Plasma Physics Division.

⁶ S.L. Schmidt, Bull. Am. Phys. Soc. **34**, 2110 (1989).

Conference proceedings: Include the list of authors (see rule covering lengthy author lists above), the title of the proceedings, the city and year of the conference, the name of the publisher

(cannot be a laboratory or institution), city and year of publication (or the words “to be published”), and the page numbers. Include the full list editors, if they are given.

²⁶ S.L. Smith, D. Nunes, J. Doe, R. Setlock, A. J. Niedermeyer, B.C. Schaffstall, Proceedings of Invited Papers, 4th International Conference on Plasma Physics, Omsk, 1986, edited by I. I. Ivanovich (World Scientific, Singapore, 1987), Vol. 1, p. 23.

Government publications: Format as for a book citation. Each must include the author(s), title of the publication, name of the publisher, city and year of publication, and page numbers (unless the entire publication is being cited).

² D. Nunes, The Brillouin Effect (U.S. Department of Energy, Washington DC, 1992).

Internal, unpublished, “to be written,” and “to be submitted,” reports are not permitted.

Journal citations: Include authors (see author rule above), volume number, beginning page number, and publication year:

⁴³ R.C. Davidson, Phys. Rev. Lett. **49**, 1408 (1982).

Laboratory report: May only be used if first deposited with a national depository such as the National Technical Information Service. (Check with the NTIS librarian at 703-605-6000.) Materials in electronic form—codes, data tables, videos, etc.—may be deposited with AIP’s EPAPS service. (Contact the Editorial Office for more information.) Include the ordering information in the citation.

¹⁵ See National Technical Information Service Document No. DE132450-L. (R. Newchuck, SESAME Tables, LANL Rep. 23453, 1983). Copies may be ordered from the National Technical Information Service, Springfield, VA 22161.

Multiple citations are acceptable.

² D. Nunes, Phys. Plasmas **1**, 234 (1994); Phys. Rev. Lett. **48**, 234 (1982).
(this where author is the same - different journals)

or

² S.L. Schmidt, Phys. Plasmas **2**, 345 (1995); D. Nunes, Phys. Rev. Lett. **4**, 345 (1983).
(this where two completely different references)

or

² S.L. Schmidt, Phys. Plasmas **2**, 345 (1995); D. Nunes, *ibid*, 234.
(this where different authors, same journal and volume number)

Preprints: Preprints or eprints that have not been submitted to a journal for publication (i.e., are only posted on a preprint server) cannot be used as references.

Private communication: May *not* be one of the authors of the article. Must include the year in which the communication took place.

⁴⁵ A. Einstein (private communication, 1993).

References as footnotes: Footnotes are not permitted within the main text. Each should be numbered and described in the reference list.

Thesis / dissertation: Include the author, school and year, but not the title.

³ S.L. Goldschmidt, Ph.D. thesis, University of California, Los Angeles, 1985.

Web Sites: Web sites are not generally acceptable as references unless the site is maintained as an archival site; however, the data contained in the site, e.g., codes, graphics, databases, may be appropriate for deposit with AIP's EPAPS service. (Contact the Editorial Office for information.)

If you still have questions about references, please contact Sandy Schmidt, Assistant Editor, by e-mail: sschmidt@pppl.gov; fax: (609) 243-2427; phone: (609) 243-2425.