

Instructions for Authors

Editorial policy: The journal welcomes submissions in any of the areas of plasma physics. Its scope includes experimental and theoretical work on basic plasma physics, the plasma physics of magnetic and inertial fusion, laser–plasma interactions, industrial plasmas, plasma devices and plasmas in space and astrophysics. This list is, of course, merely illustrative of the wide range of topics on which papers are invited, and is not intended to exclude any aspect of plasma physics that is not explicitly mentioned.

Authors are urged to ensure that their papers are written clearly and attractively, in order that their work will be readily accessible to readers. Manuscripts must be written in English. *Journal of Plasma Physics* employs a rigorous peer-review process whereby all submitted manuscripts are sent to recognized experts in their subjects for evaluation. The Editors' decision on the suitability of a manuscript for publication is final.

Submission of manuscripts: Papers may be submitted to any of the Editors or Associate Editors. Three copies should be sent accompanied by the author's address, telephone and fax number, and if possible, an electronic mailing address. Submission of a paper is taken to imply that it has not been previously published and that it is not being considered for publication elsewhere. Upon acceptance of a paper, the author will be asked to transfer copyright to the publisher.

The publisher encourages submission of manuscripts written in LaTeX, for which a style file can be obtained from the Editors or directly from the publisher using anonymous FTP to retrieve the file `jpp.all` from the Internet address `cup.cam.ac.uk` where the macro is in the directory `/pub/texarchive/journals/latex/jpp.all`. The publisher may also be able to typeset papers submitted on disk in Plain TeX or AMS TeX using the 'article style'. When submitting the revised/final version of a paper, authors should send disks (Apple Mac or PC) containing the TeX source code and any macros and other relevant details; it is not possible to accept final versions of papers via e-mail. The disk files should correspond exactly to the hardcopy manuscript accepted for publication. Disks will not be returned. The publisher reserves the right to typeset any article by conventional means if the author's TeX code presents problems in production.

Layout of manuscripts: Papers should be typewritten using **double spacing throughout**, on one side of the paper, allowing generous margins on all sides of the paper. Please avoid footnotes if possible. Papers should begin with an abstract of not more than 300 words and should end with a brief concluding section. The title and section headings should be concise and descriptive. All measurements should be given in SI units.

Illustrations: Figures should be drawn in black Indian ink on white paper or produced from a high quality laser printer. Wherever possible, they will be reproduced with the author's original lettering. A list of captions should be attached separately, and as far as possible, information relating to a figure should be placed in the caption rather than on the figure. Each figure should be marked on the back, in pencil, with the author's name and the figure number. The top of each figure should be identified in pencil.

Tables should be typewritten on separate sheets of paper. A descriptive title should be given to each table. If possible, very wide tables should be avoided.

References: The Harvard system of references should be used. References should be listed in alphabetical order at the end of the main text. Please include the article title in the reference, which should be in the order: author's surname, initials; year; journal name; volume number; inclusive page numbers. In the full references, a listing of all authors' names is preferred to the use of *et al.* If one author or group of authors has multiple papers published in the same year, the letters *a*, *b*, *c*, etc. should be appended after the year to distinguish the individual references. For books and conference proceedings, publisher and place of publication (and Editor(s) if appropriate) should be included. In the text, references should be cited as name (date).

Proof Reading: Only typographical or factual errors may be changed at proof stage. The publisher reserves the right to charge authors for correction of non-typographical errors.

Offprints: 50 offprints of each article will be supplied free to each first named author. Extra offprints may be purchased from the publisher if ordered at proof stage. There is no charge for publication.

Copying: This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923. Organizations in the USA who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to C.C.C. of the per copy fee of \$11.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0022–3778/95 \$11.00 + .10.

ISI Tear Sheet Service, 3501 Market Street, Philadelphia, Pennsylvania 19104, USA, is authorized to supply single copies of separate articles for private use only.

Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions.

For all other use, permission should be sought from Cambridge or the American Branch of Cambridge University Press.

JOURNAL OF PLASMA PHYSICS

Volume 54 Part 1 August 1995

CONTENTS

Microscopic origins and macroscopic uses of plasma rotation DAVID MONTGOMERY AND XIAOWEN SHAN	1
The unbounded two-dimensional guiding-centre plasma MICHAEL K.-H. KIESSLING	11
Semi-analytical modelling of non-local ion-cyclotron resonance heating in toroidal geometry D. VAN EESTER	31
Macroscopic electric fields driven by lower-hybrid turbulence and acceleration of thermal electrons in the foot of quasi-perpendicular shocks A. A. GALEEV, M. A. MALKOV AND H. J. VÖLK	59
Tokamak transport based on the 13-moment model MICHAEL K. TIPPETT	77
Time and space scales of electrical and gasdynamic non-uniformities in a non-equilibrium MHD plasma A. YU. SOKOLOV, S. KABASHIMA AND V. M. ZUBSTOV	105
Whistler and electron-cyclotron instabilities in a plasma duct LITTY JAMES, LALITA JASSAL AND V. K. TRIPATHI	119

CAMBRIDGE
UNIVERSITY PRESS

