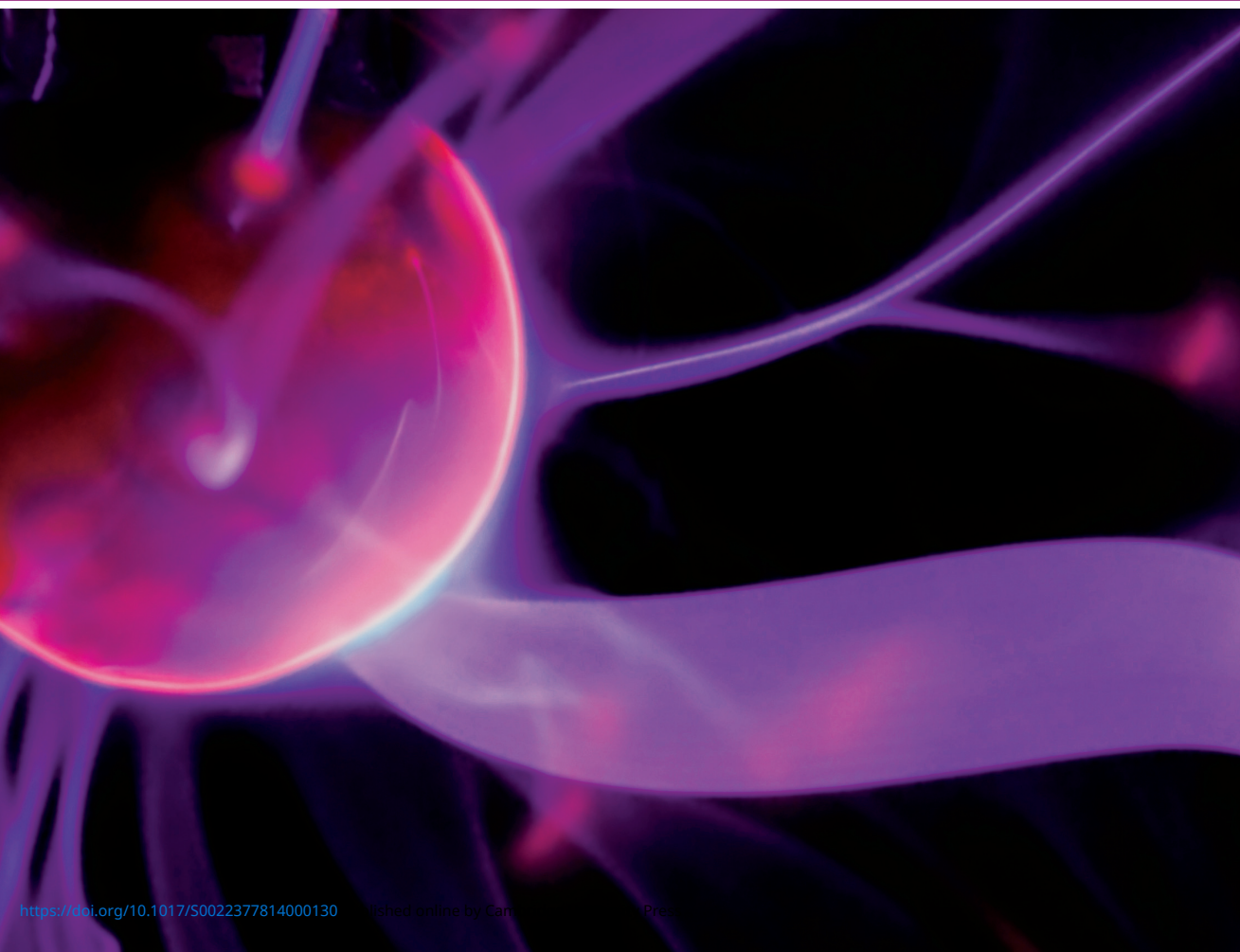


CAMBRIDGE
UNIVERSITY PRESS

APRIL 2014

JOURNAL OF **PLASMA PHYSICS**

VOLUME 80 • PART 2



EDITORS

PROF WILLIAM DORLAND, *University of Maryland, Honors College, Anne Arundel Hall, College Park, MD 20742, bdorland@umd.edu*

PROF ALEXANDER SCHEKOCHIHIN, *University of Oxford, Theoretical Astrophysics and Plasma Physics 2.5 Rudolf Peierls Centre for Theoretical Physics, 1 Keble Road, Oxford, OX1 3NP, a.schekochihin1@physics.ox.ac.uk*

ASSOCIATE EDITORS

Term Ending 31 December 2014

Professor K AVINASH, *Department of Physics and Astrophysics, University of Delhi, Delhi-7, India, akhare@physics.du.ac.in, and Center for Space Plasma and Aeronomic Research (CSPAR), University of Alabama, Huntsville AL 35899, USA, ak0005@uah.edu*

Dr ANTOINE C BRET, *Universidad Castilla la Mancha, School of Industrial Engineering, Avda Camillo Jose Cela, s/n 13 071 Ciudad Real, Spain, antoineclaud.bret@uclm.es*

Professor VLADIMIR E FORTOV, *Joint Institute for High Temperature, Russian Academy of Sciences, Izhorskaya 13 bld 2, 125412 Moscow, Russia, fortov@ficp.ac.ru*

Professor ROBERT L MERLINO, *Department of Physics and Astronomy, The University of Iowa, Iowa City, IA 52242, USA, robert-merlino@uiowa.edu*

Term Ending 31 December 2015

Dr BENGT ELIASSON, *Physics Department, John Anderson Building, University of Strathclyde, Glasgow G4 0NG, Scotland, UK, bengt.eliaasson@strath.ac.uk*

Professor AMBROGIO FASOLI, CRPP, EPFL, *Route Cantonale, 1015 Lausanne, Switzerland, ambrogio.fasoli@epfl.ch*

Professor ENZO LAZZARO, *Istituto di Fisica del Plasma, CNR, Via Roberto Cozzi 53, 20125 Milan, Italy, lazzaro@ifp.cnr.it*

Term Ending 31 December 2016

Professor JONATHAN ARONS, *UC Berkeley, Astronomy Department, 601 Campbell Hall, University of California, Berkeley, CA 94720, USA*

Professor FRANCESCO CALIFANO, *Department of Physics, University of Pisa, Largo Pontecorvo 3, 56127 – Pisa, Italy, califano@df.unipi.it*

Professor TROY CARTER, *Dept of Physics and Astronomy, UCLA, 430 Portola Plaza, Box 951547, Los Angeles, CA 90095-1547, tcarter@physics.ucla.edu*

Professor CARY FOREST, *University of Wisconsin, 3277 Chamberlain Hall, UW-Department of Physics, 1150 University Ave, Madison, WI 5370 USA, cbforest@wisc.edu*

Professor FRANK JENKO, *Max Planck Institute for Plasma Physics, Max-Planck-Institut für Plasmaphysik, Boltzmannstr 2, Garching, D-85748, Germany*

Dr STUART MANGLES, *Imperial College London, South Kensington Campus, London, SW7 2AZ, UK, stuart.mangles@imperial.ac.uk*

Dr THIERRY PASSOT, *Observatoire de la Côte d'Azur, Laboratoire J.-L. Lagrange; U.M.R. 7293, Observatoire de la Côte d'Azur, B.P. 4229, 06304 Nice Cedex 4, passot@oca.eu*

Dr John P Dougherty, Founding Editor, 1967–1994

Journal of Plasma Physics (ISSN 0022-3778) is published six times a year in February, April, June, August, October and December, by Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK and Cambridge University Press, 32 Avenue of the Americas, New York, N.Y. 10013-2473, USA.

Six parts form a volume. The subscription price (excluding VAT, but including postage) of Volume 80 (2014) is £1297 (US \$2401 in the USA, Canada and Mexico) for institutions print and electronic, institutions electronic only £1165/\$1953; £376 (US \$646) print only for individuals. All orders must be accompanied by payment.

EU subscribers (outside the UK) who are not registered for VAT should add VAT at their country's rate. VAT registered subscribers should provide their VAT registration number.

Japanese prices for institutions are available from Kinokuniya Company Ltd, P.O. Box 55, Chitose, Tokyo 156, Japan. Prices include delivery by air.

Copies of the journal for subscribers in the USA, Canada and Mexico are sent by air to New York to arrive with minimum delay. Periodicals postage paid at New York, NY, and at additional mailing offices. *POSTMASTER*: send address changes in USA, Canada and Mexico to *Journal of Plasma Physics*, Cambridge University Press, 100 Brook Drive, West Nyack, New York 10994-2133.

Internet access This journal is included in the Cambridge Journals Online service, which can be found at journals.cambridge.org. For further information on other Press titles, access <http://www.cambridge.org>

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the World's forests. Please see www.fsc.org for more information.

Printed in the UK by Bell & Bain Ltd., Glasgow.