

Applied Mathematics

European Journal of

VOLUME 7 · PART 2 · APRIL 1996

CAMBRIDGE UNIVERSITY PRESS

EDITORS-IN-CHIEF

DR S. D. HOWISON, DR J. R. OCKENDON

Mathematical Institute, University of Oxford, 24-29 St Giles, Oxford OX1 3LB, UK
ejam@vax.ox.ac.uk Fax: +44 1865 270515

EDITORS

- PROFESSOR G. I. BARENBLATT, DAMTP, *University of Cambridge, Silver Street, Cambridge CB3 9EW, UK*
 PROFESSOR R. CAFLISCH, *Department of Mathematics, UCLA, Los Angeles, CA 90024, USA;*
caflisch@math.ucla.edu
 PROFESSOR M. CHIPOT, *Institut für Mathematik, Abteilung Angewandte Mathematik, Universität Zürich-Irchel,*
Winterthurerstr 190, CH-8057 Zürich, Switzerland; chipot@amath.unizh.ch
 PROFESSOR C. M. ELLIOTT, *School of Mathematical Sciences, University of Sussex, Falmer, Brighton BN1 9QH,*
UK; mmfc8@syma.sussex.ac.uk
 PROFESSOR V. M. ENTOV, *Laboratory of Applied Continuum Mechanics, Institute for Problems in Mechanics,*
Russian Academy of Sciences, 117526 Moscow, Russia; entov@ipm.msk.su
 PROFESSOR A. FASANO, *Dipartimento di Matematica 'U Dini', Università Degli Studi di Firenze, Viale Morgagni*
67/A, I-50134 Firenze, Italy; fismat@ifidg.bitnet
 PROFESSOR A. FRIEDMAN, *Institute for Mathematics and its Applications, University of Minnesota, Minneapolis,*
MN 55455-0436, USA; friedman@ima.umn.edu
 PROFESSOR P. A. GLENDINNING, *School of Mathematical Sciences, Queen Mary and Westfield College, Mile End*
Road, London E1 4NS, UK; p.a.glendinning@qmw.ac.uk
 PROFESSOR J. F. HARPER, *Department of Mathematics, Victoria University of Wellington, PO Box 600, Wellington,*
New Zealand; john.harper@vuw.ac.nz
 PROFESSOR M. HERRERO, *Dept de Matematica Aplicada, Facultad de Matematicas, Ciudad Universitaria s/n,*
E-28040 Madrid, Spain; herrero@mat.ucm.es
 PROFESSOR J. P. KEENER, *Department of Mathematics, University of Utah, Salt Lake City, UT 84112, USA;*
keener@math.utah.edu
 PROFESSOR N. KENMOCHI, *Department of Mathematics, Faculty of Education, Chiba University, Yayoi-cho 1-33,*
Chiba-shi 260, Japan; kenmochi@math.e.chiba-u.ac.jp
 PROFESSOR J. R. KING, *Department of Theoretical Mechanics, University of Nottingham, University Park,*
Nottingham NG7 2RD, UK; j.r.king@yme.ccc.nottingham.ac.uk
 PROFESSOR LI TATSJEN, *Department of Mathematics, Fudan University, Shanghai, China*
 PROFESSOR S. LUCKHAUS, *Institut für Angewandte Mathematik, Universität Bonn, Wegelerstrasse 6, D-53115*
Bonn, Germany; sfb256@dbnrhrz1.bitnet
 PROFESSOR H. NEUNZERT, *FB Mathematik, Universität Kaiserslautern, Postfach 3049, D-67663 Kaiserslautern,*
Germany; neunzert@mathematik.uni-kl.de
 PROFESSOR M. NIEZGODKA, *Institute of Applied Mathematics and Mechanics, University of Warsaw, Banache 2,*
PL-02-097 Warsaw, Poland; marekn@icm.edu.pl
 PROFESSOR L. A. PELETIER, *Department of Mathematics, Universiteit Leiden, Niels Bohrweg 1, Postbus 9512,*
NL-2300 RA Leiden, The Netherlands; peletier@rulcri.leidenuniv.nl
 PROFESSOR V. V. PUKHNACHOV, *Lavrentyev Institute of Hydrodynamics, Siberian Division of the Russian*
Academy of Sciences, Novosibirsk 630090, Russia; pukh@hydro.nsk.su
 PROFESSOR E. O. TUCK, *Faculty of Mathematical & Computer Science, University of Adelaide, South Australia*
5005, Australia; etuck@maths.adelaide.edu.au
 PROFESSOR M. J. WARD, *Department of Mathematics, 121-1984 Mathematics Road, University of British*
Columbia, Vancouver BC, Canada V6T 1Z2; math@math.ubc.ca

© CAMBRIDGE UNIVERSITY PRESS 1996

SUBSCRIPTIONS

European Journal of Applied Mathematics (ISSN 0956-7925) is published bimonthly in February, April, June, August, October and December. The subscription price (excluding VAT) of Volume 7, 1996, is £136 net (USA, Canada and Mexico US \$244) post free; single parts cost £25 net (USA, Canada and Mexico US \$44) plus postage. Six parts form a volume. 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. Orders, which must be accompanied by payment, may be sent to any bookseller, subscription agent or to the publisher: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, or in the USA, Canada and Mexico to Cambridge University Press, Journals Department, 40 West 20th Street, New York, NY 10011-4211, USA. Copies of the journal for subscribers in the USA, Canada and Mexico are sent by air to New York to arrive with minimum delay. Second class postage paid at New York, NY, and at additional mailing offices. Japanese prices for institutions (including ASP delivery) are available from Kinokuniya Company Ltd, P.O. Box 55, Chitose, Tokyo 156, Japan.

POSTMASTER: send address changes in USA, Canada and Mexico to *European Journal of Applied Mathematics*, Cambridge University Press, 110 Midland Avenue, Port Chester, New York, NY 10573-4930, USA.

Claims for missing issues should be made immediately on receipt of the subsequent issue. Copies of back numbers are available from Cambridge University Press.