

Applied Mathematics

European Journal of

VOLUME 1 · PART 1 · DECEMBER 1990

CAMBRIDGE UNIVERSITY PRESS

EDITOR-IN-CHIEF

DR J. R. OCKENDON

Mathematical Institute, University of Oxford, 24–29 St Giles, Oxford, OX1 3LB, UK
EJAM@UK.AC.OX.VAX

ASSISTANT EDITOR

DR S. D. HOWISON

Mathematical Institute, University of Oxford, 24–29 St Giles, Oxford, OX1 3LB, UK
EJAM@UK.AC.OX.VAX

EDITORS

PROF. A. FRIEDMAN

Institute for Mathematics and Applications, University of Minnesota, Minneapolis, MN 55455, USA
FRIEDMAN@EDU.UMN.CS.CSFSA

PROF. K.-H. HOFFMANN

Lehrstuhl für Angewandte Mathematik 1, Inst. für Mathematik der Universität Augsburg, Universitätsstr. 8, D-8900 Augsburg, West Germany
HOFFKH@UNIAUG.DE@RELAY.CS.NET

PROF. M. PRIMICERIO

Università degli studi, Istituto Matematico U Dini, Viale Morgagni 67a, 50134 Firenze, Italy
FISMAT@EARN.IFIIIDG

ASSOCIATE EDITORS

PROF. C. BARDOS

U.E.R. de Mathématiques et d'Informatique, Université de Paris, France
BARDOS@EARN.FRULM63

PROF. C. M. ELLIOTT

Department of Mathematics, University of Sussex, UK
MMFC8@UK.AC.SUSSEX.CLUSTER

PROF. B. J. MATKOWSKY

Department of Engineering and Applied Mathematics, Northwestern University, Illinois, USA
MATKOWSKY@EDU.NWU.ACNS.NUACC

PROF. M. CHIPOT

Département de Mathématiques, Université de Metz, France

DR. A. K. HEAD

CSIRO (Materials Science and Technology), Australia
AKH@OZ.DMS.DMSMELB

PROF. V. V. PUKHNACHOV

Lavrentyev Institute of Hydrodynamics, USSR

PROF. D. G. CRIGHTON

Department of Applied Mathematics and Theoretical Physics, University of Cambridge, UK

PROF. A. LIÑAN

Dept. Motorpropulsion y Termofluidodinamica, Universidad Politécnica de Madrid, Spain

PROF. D. G. SCHAEFFER

Department of Mathematics, Duke University, USA

PROF. A. DAMLAMIAN

Ecole Polytechnique, Centre de Mathématiques, Palaiseau, France
MATDAMLA@EARN.FRPOLY11

PROF. LI TATSIEN

Department of Mathematics, Fudan University, China

PROF. J. R. WILLIS

School of Mathematics, University of Bath, UK
JRW@UK.AC.BATH.MATHS

PROF. S. LUCKHAUS

Institut für Angewandte, Universität Bonn, West Germany
VOGT@EARN.DBNUAMAI

© CAMBRIDGE UNIVERSITY PRESS 1990

SUBSCRIPTIONS

European Journal of Applied Mathematics (ISSN: 0956-7925) is published quarterly in March, June, September and December. The subscription price of Volume 1, 1990, is £75 net (UK), £80 elsewhere (USA and Canada US \$150) post free; single parts cost £21 net (USA and Canada US \$40) plus postage. Four parts form a volume. 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 and Canada to Cambridge University Press, The Journals Department, 40 West 20th Street, New York, NY 10011, USA. Copies of the journal for subscribers in the USA and Canada 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.

POSTMASTER: send address changes in USA and Canada to *European Journal of Applied Mathematics*, Cambridge University Press, 40 West 20th Street, New York, NY 10011.

Claims for missing issues should be made immediately on receipt of the subsequent issue.