

Volume 124 Part 3 (1994) pages 399-620

ISSN 0308-2105

THE ROYAL SOCIETY OF
EDINBURGH



PROCEEDINGS SECTION A
MATHEMATICS

PUBLISHED BY THE ROYAL SOCIETY OF EDINBURGH
22 GEORGE STREET, EDINBURGH EH2 2PQ

EDITORIAL BOARD

Executive Editors

J. CARR
Heriot-Watt University

A. M. DAVIE
University of Edinburgh

T. J. LYONS
Imperial College, London

J. C. EILBECK
Heriot-Watt University
W. N. EVERITT
University of Birmingham
J. R. HUBBUCK
University of Aberdeen
A. J. R. G. MILNER
University of Edinburgh
A. A. RANICKI
University of Edinburgh

B. STRAUGHAN
University of Glasgow
A. TRUMAN
University College, Swansea

F. WILLETT
Curator
Glasgow

Consulting Editors

H. BREZIS
Université de Paris VI
C. M. DAFERMOS
Brown University,
Providence, RI, USA
S. K. DONALDSON
University of Oxford
R. G. DOUGLAS
State University of New York at
Stony Brook, USA
L. E. FRAENKEL
University of Bath
M. GIAQUINTA
Università degli
Studi di Firenze
J. K. HALE
Georgia Institute of Technology,
USA
K. KIRCHGASSNER
Universität Stuttgart
ROBERT V. KOHN
New York University
P. L. LIONS
Université de Paris IX
H. MATANO
University of Tokyo,
Japan
M. MIMURA
Okayama University,
Japan

O. A. OLEINIK
Moscow State University,
USSR
A. YU. OLSHANSKII
Moscow State University,
Russia
D. S. PASSMAN
University of Wisconsin–
Madison
J. M. SANZ–SERNA
Universidad de Valladolid, Spain
W. G. STRANG
Massachusetts Institute of
Technology, Cambridge, USA
C. A. STUART
École Polytechnique Fédérale
de Lausanne
L. TARTAR
Carnegie-Mellon University,
Pittsburgh, USA
J. TOLAND
University of Bath
N. S. TRUDINGER
Australian National University,
Canberra, Australia
G. Q. ZHANG
Peking University, Beijing
W. A. ZHENG
University of California, Irvine, USA

Publications Manager, Royal Society of Edinburgh: T. G. Dart

The Royal Society of Edinburgh Proceedings Section A Mathematics is published every two months by the Royal Society of Edinburgh. Subscription price is £192.00 for six issues (vol. 124). Orders, claims etc. should be addressed to CAB International, Wallingford, Oxon OX10 8DE, U.K. (Tel: (0491) 832111; Fax (0491) 826090)

Second Class postage pending at Jamaica, N.Y., Postmaster send address corrections to *The Royal Society of Edinburgh Proceedings Section A Mathematics*, c/o IMD, 14905 177th St, Jamaica, N.Y. 11434, U.S.A.

(Issued 16 June 1994)