

Volume 128 Part 2 (1998) pages 193–445

ISSN 0308-2105

THE ROYAL SOCIETY OF EDINBURGH



PROCEEDINGS SECTION A MATHEMATICS

PUBLISHED BY THE RSE SCOTLAND FOUNDATION
22 GEORGE STREET, EDINBURGH EH2 2PQ

EDITORIAL BOARD

Executive Editors

E. G. REES (Chairman)
University of Edinburgh

J. M. BALL
University of Oxford

K. J. BROWN
Heriot-Watt University

A. M. SINCLAIR
University of Edinburgh

K. A. BROWN
University of Glasgow

J. M. HOWIE
University of St. Andrews

H. K. MOFFATT
Isaac Newton Institute for
Mathematical Sciences, Cambridge

A. J. MACINTYRE
University of Oxford

O. PENROSE
Heriot-Watt University

D. M. SLOAN
University of Strathclyde

M. ANDERSON
Curator
University of Edinburgh

Consulting Editors

H. BREZIS
Université de Paris VI, France

C. M. DAFERMOS
Brown University,
Providence, RI, USA

S. K. DONALDSON
University of Oxford, UK

R. G. DOUGLAS
State University of New York at
Stony Brook, USA

L. E. FRAENKEL
University of Bath, UK

M. GIAQUINTA
Università di Pisa
Italy

J. K. HALE
Georgia Institute of Technology,
USA

K. KIRCHGASSNER
Universität Stuttgart, Germany

ROBERT V. KOHN
New York University, USA

P. L. LIONS
Université de Paris IX, France

H. MATANO
University of Tokyo,
Japan

M. MIMURA
Okayama University,
Japan

O. A. OLEINIK
Moscow State University,
Russia

A. YU. OLSHANSKII
Moscow State University,
Russia

D. S. PASSMAN
University of Wisconsin-
Madison, USA

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, Switzerland

L. TARTAR
Carnegie-Mellon University,
Pittsburgh, USA

J. TOLAND
University of Bath, UK

N. S. TRUDINGER
Australian National University,
Canberra, Australia

G. Q. ZHANG
Peking University, Beijing, China

W. A. ZHENG
University of California, Irvine, USA

The Royal Society of Edinburgh Proceedings Section A Mathematics is published every two months by the RSE Scotland Foundation. Subscription price is £230.00 for six issues (vol. 128). Orders, claims etc. should be addressed to CAB International, Wallingford, Oxon OX10 8DE, U.K. (Tel: (01491) 832111; Fax (01491) 826090)

Editorial office: ICMS, 14 India Street, Edinburgh EH3 6EZ, Scotland, UK.

Tel (0) 131 220 1777; Fax (0) 131 220 1053; email icms-proca@maths.ed.ac.uk.