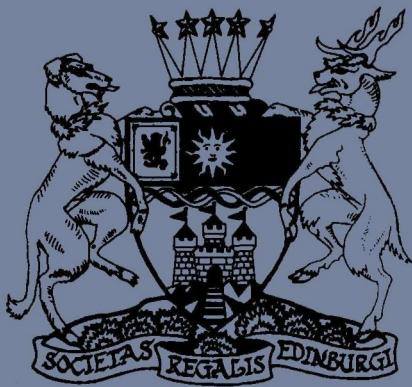


PEAMDU 112 (187–353) 1989

Volume 112: Parts 3/4

THE ROYAL SOCIETY OF EDINBURGH



PROCEEDINGS

Section A (Mathematics)

ISSN 0308–2105

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

1989

EDITORIAL BOARD

Executive Editors

A. M. SINCLAIR
University of Edinburgh

J. M. BALL
Heriot-Watt University

J. R. HUBBUCK
University of Aberdeen

J. CARR
Heriot-Watt University
A. M. DAVIE
University of Edinburgh
R. FLETCHER
University of Dundee
J. M. HOWIE
University of St Andrews
F. M. LESLIE
University of Strathclyde

T. J. LYONS
University of Edinburgh
R. W. OGDEN
University of Glasgow
E. G. REES
University of Edinburgh
B. D. SLEEMAN
University of Dundee
D. A. R. WALLACE
University of Strathclyde

C. D. WATERSTON
General Secretary
Royal Society of Edinburgh

W. DUNCAN
Executive Secretary
Royal Society of Edinburgh

Consulting Editors

M. F. ATIYAH
University of Oxford
H. BREZIS
Université de Paris VI
Y. S. CHIN
Academia Sinica, Beijing, China
C. M. DAFLEROS
Brown University,
Providence, RI, USA
R. G. DOUGLAS
State University of New York at
Stony Brook, USA
L. C. EVANS
University of Maryland, College Park,
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
J. E. MARSDEN
University of California,
Berkeley, USA
TAKAAKI NISHIDA
Kyoto University, Japan
D. S. PASSMAN
University of Wisconsin–
Madison
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