

VOLUME 67 (SERIES II) PART 4
NOVEMBER 2024

e-ISSN 1464-3839

Proceedings
of the
Edinburgh
Mathematical
Society



CAMBRIDGE
UNIVERSITY PRESS

PROCEEDINGS OF THE EDINBURGH MATHEMATICAL SOCIETY

EDITORIAL BOARD

C. ATHORNE (Reviews Editor)	J. MARTENS (Algebraic Geometry)
L. BOULTON (Functional Analysis)	C. MERCURI (Differential Equations)
L. CIOBANU (Algebra)	M. MUSSO (Differential Equations)
D. CROYDON (Probability)	M. POWELL (Topology)
V. FISCHER (Harmonic Analysis)	M. PRAMANIK (Harmonic Analysis)
R. HALBURD (Complex Analysis)	M. QUICK (Convenor of Editorial Board)
G. JONES (Number Theory and Model Theory)	S. SIERRA (Algebra)
S. KITAEV (Combinatorics)	M. TODD (Ergodic Theory)
W. KLINGENBERG (Differential Geometry)	J. ZACHARIAS (Functional Analysis)

CONSULTING EDITORS

L. AMBROSIO <i>Schuola Normale Superiore, Pisa, Italy</i>	R. KESSAR <i>City University London</i>	M. VIANA <i>IMPA, Brazil</i>
A. DANCER <i>University of Oxford</i>	A. REID <i>Rice University</i>	G. YU <i>Texas A&M University</i>
S. GRIVAUX <i>Université de Lille, France</i>	L. SZÉKELYHIDI <i>University of Leipzig</i>	
K. HESS <i>EPFL, Lausanne, Switzerland</i>	Y. TSCHINKEL <i>New York University</i>	

Back numbers Series I comprised forty-four volumes published from 1884 to 1926. Series II started in 1927 and reached its sixtieth volume in 2017.

Online access to all of these volumes, except the ten most recent, is freely available via Cambridge Journals Online at <http://journals.cambridge.org/PEM>. Subscribers to current online issues of *Proceedings of the Edinburgh Mathematical Society* will also have access to the ten most recent volumes as part of their current subscription.

Information regarding printed back numbers of Series I and Volumes 1–14 of Series II is available by searching under Edinburgh Mathematical Society at <http://www.periodicals.com>. Print copies of the current volume and earlier volumes in Series II (from Volume 15 onwards) can be obtained from Cambridge University Press at the above address.

Copying This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organizations in the USA who are also registered with CCC may therefore copy material (beyond the limits permitted by sections 107 and 108 of US Copyright Law) subject to payment to CCC of the per-copy fee of \$16. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0013-0915/2004 \$16. ISI Tear Sheet Service, 3501 Market Street, Philadelphia, PA 19104, USA, is authorized to supply single copies of separate articles for private use only. Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions. For all other use, permission should be sought from Cambridge University Press.

For further information on *Proceedings of the Edinburgh Mathematical Society* or other Press titles access <http://journals.cambridge.org/action/displayJournal?jid=PEM> or journals.cambridge.org.

COPYRIGHT © 2024 THE EDINBURGH MATHEMATICAL SOCIETY

The Edinburgh Mathematical Society (EMS) is a registered Scottish Charity (number SC000241)