

Journal of the
**AUSTRALIAN
MATHEMATICAL
SOCIETY**

*Published for the Australian
Mathematical Society*

Editor: Jon Berrick

Volume 111 • Issue 1 • August 2021

**CAMBRIDGE
UNIVERSITY PRESS**

THE AUSTRALIAN MATHEMATICAL SOCIETY

President: Prof. Ole Warnaar

School of Mathematics and Physics,
The University of Queensland,
Brisbane, QLD 4072, Australia.

Secretary: Dr Deborah Jackson

Department of Mathematics and Statistics,
La Trobe University,
Bundoora Victoria 3086, Australia.

Treasurer: Prof. Lilia Ferrario

Mathematical Sciences Institute,
The Australian National University,
Canberra ACT 0200, Australia.

Editor of the Journal:

Prof. Jon Berrick

School of Mathematics and Statistics,
The University of Sydney,
NSW 2006, Australia.

Deputy Editor of the Journal:

Michael Coons

School of Mathematical and Physical Sciences,
University of Newcastle,
Callaghan, NSW 2308, Australia.

Assistant Managing Editor of the Journal:

Judith D. Borwein

School of Mathematical and Physical Sciences,
University of Newcastle,
Callaghan, NSW 2308, Australia.

ASSOCIATE EDITORS

Brian Alspach (The University of Newcastle)

Dzmitry Badziahin (University of Sydney)

Lynn M. Batten (Emerita, Deakin University)

Daniel Chan (University of New South Wales)

Florica Cirstea (University of Sydney)

Lisa Orloff Clark

(Victoria University of Wellington)

James East (Western Sydney University)

Nora Ganter (The University of Melbourne)

Michael Giudici

(University of Western Australia)

Anthony Henderson (University of Sydney)

Vaithilingam Jeyakumar

(University of New South Wales)

Finnur Lárusson (University of Adelaide)

Ji Li (Macquarie University)

Ben Martin (University of Aberdeen)

James McCoy (The University of Newcastle)

Christopher Meaney (Macquarie University)

Warren Moors (University of Auckland)

Michael K. Murray (University of Adelaide)

Milena Radnovic (University of Sydney)

Nathan Ross (The University of Melbourne)

Igor E. Shparlinski

(University of New South Wales)

Aidan Sims (University of Wollongong)

Valery T. Stefanov

(University of Western Australia)

Terence Tao

(University of California at Los Angeles)

Graeme Wilkin (University of York)

George Willis (The University of Newcastle)

Robert Yuncken

(University of Clermont Auvergne)

Membership and correspondence: Applications for membership, notices of changes of address or title or position, members' subscriptions and correspondence related to accounts should be sent to the Treasurer. All other correspondence should be sent to the Secretary.

Subscriptions: Two volumes of three parts are planned for 2021. Subscription prices for 2021 are £582 (\$1071 in USA, Canada and Mexico) which includes print and electronic access. The electronic-only access price for 2021 is £473 (\$874 in USA, Canada and Mexico). Single parts cost £112 (\$205 in USA, Canada and Mexico). Prices include delivery by air where appropriate. EU subscribers who are not registered for VAT should add VAT at their country's rate. VAT registered subscribers should provide their VAT registration number. Orders, which must be accompanied by payment, should be sent to a subscription agent, book-seller, or direct to the publishers: Cambridge University Press, University Printing House, Shaftesbury Road, Cambridge CB2 8BS or, in the USA, Canada and Mexico, Cambridge University Press, Journals Fulfilment Department, 1 Liberty Plaza, Floor 20, New York, NY 10006. Japanese prices are available from Kinokuniya Company Ltd, PO Box 55, Chitose Tokyo 156, Japan. Periodicals postage is paid at New York, NY and additional mailing offices. POSTMASTER: send address changes in USA, Canada and Mexico to *Journal of the Australian Mathematical Society*, Cambridge University Press, Journals Fulfilment Department, 1 Liberty Plaza, Floor 20, New York, NY 10006.

This journal is included in the Cambridge Core service. Further information, and online access for subscribers, is available at cambridge.org/jaz