JOURNAL OF THE AUSTRALIAN MATHEMATICAL SOCIETY

Submission of research papers in pure mathematics and statistics is invited under the condition that the paper has not been published and is not being considered for publication anywhere else.

The Journal is seeking articles of more general interest and of moderate length, preferring papers with a good introduction explaining the meaning and value of results. In view of the presssure on space, only papers highly rated by assessors can be accepted.

Authors should submit PDF files of papers to the Journal through our website www.austms. org.au/Publications/Submissions/JAustMS where they will be able to track the progress of their submission. It is also possible to submit the files by emailing a PDF file to jamsed@austms.org.au.

PREPARATION OF MANUSCRIPTS

- 1. Papers should be double spaced and have a generous margin. Authors should keep copies of all files.
- 2. Files must be prepared using LATEX or another variant of TEX, and must not contain definitions of additional commands. A style file can be downloaded by following appropriate links on the Journal website.
- 3. Each manuscript should include an abstract of no more than 150 words, preferably containing no formulae, a list of keywords, a 2010 Mathematics subject classification, and a short title of no more than 40 characters.
- 4. For the style of references consult recent issues of the journal. The current usage is either the number referencing [1], [2], [3], or the letter referencing, such as [DS1], [DS2], [DS3] if the authors are N. Dunford and J. T. Schwartz, and the reference is to the 3 volumes of their monograph. In either style, references should be ordered alphabetically by the first author's name. Abbreviations of journal names should follow Mathematical Reviews.
- 5. Avoid abbreviations such as Thm., Prop., Eq., Ex., iff. In the text do not use the symbols \forall , \exists , \Longrightarrow and \(\leftrightarrow\). For more information about our stylistic requirements, see the Journal website accessible through www.austms.org.au.
- 6. Graphics should be prepared to professional standards, preferably using Postscript or LATEX drawing facilities. Charges may apply if the typesetters have to recreate a graphics file because the original is not suitable for printing.

Copying: This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organizations in the USA who are registered with the 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 \$16.00. This consent does not extend to multiple copying for promotional and commercial purposes. Code 1446-7887/2010 \$16.00.

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 or the American branch of Cambridge University Press.

Published by Cambridge University Press for the Australian Mathematical Publishing Association Incorporated. Printed in the United Kingdom at Bell & Bain Ltd, Glasgow.

© 2010 Australian Mathematical Publishing Association Inc.



This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of www.isc.org cenno. 11-cuc-002/69
the world's forests Please see www.fsc.org for information.
751497988 198851989490001694860 online by cambridge University Press

Table of Contents

Representations of real Banach algebras Albiac, F. & Briem, E.	289
Finite groups as Galois groups of function fields with infinite field of constants Álvarez-García, C. & Villa-Salvador, G.	301
On Carmichael numbers in arithmetic progressions Banks, W. D. & Pomerance, C.	313
Homogeneous and H -contact unit tangent sphere bundles Calvaruso, G . \mathcal{E} Perrone, D .	323
The Skitovich–Darmois theorem for locally compact abelian groups Feldman, G. & Graczyk, P.	339
Nondecreasing functions, exceptional sets and generalized Borel lemmas $Halburd, R. G. \mathcal{C} Korhonen, R. J.$	353
A characterization of saturated C^* -algebraic bundles over finite groups $Kodaka, K. \ \mathcal{E}$ Teruya, $T.$	363
A noncommutative generalization of Stone duality Lawson, M. V.	385
A note on Schrödinger maximal operators with a complex parameter Sjölin, P. & Soria, F.	405
On products of pseudo-Anosov maps and Dehn twists of Riemann surfaces with punctures	
Zhang, C.	413
Correction to 'Spreadable arrays and martingale structures' Ivanoff, B. G. & Weber, N. C.	429
Author index	431



