

INDEX

BACHIR, M.; An extension of the Banach–Stone theorem	1
COULEMBIER, K. and MAZORCHUK, V.; The G -centre and gradable derived equivalences	289
DE FALCO, M., DE GIOVANNI, F., MUSELLA, C. and TRABELSI, N.; A nilpotency-like condition for infinite groups	24
DE GIOVANNI, F.; see DE FALCO, M.	24
DU, J. and WAN, J.; The queer q -Schur superalgebra	316
FISCHLER, S.; Shidlovsky’s multiplicity estimate and irrationality of zeta values	145
FU, X.; On paired root systems of Coxeter groups	347
GRAHL, J., MANKET, T. and NEVO, S.; Differential inequalities and a Martyr-type criterion for quasi-normality	34
HILLMAN, J. A.; $\mathbb{S}ol^3 \times \mathbb{E}^1$ -manifolds	46
JÄRVINEN, J. and RADELECZKI, S.; Representing regular pseudocomplemented Kleene algebras by tolerance-based rough sets	57
JONES, P. R.; Varieties of left restriction semigroups	173
JOUVE, F. and SERENI, J.-S.; Expander graphs and sieving in combinatorial structures	79
KODAKA, K. and TERUYA, T.; The strong Morita equivalence for inclusions of C^* -algebras and conditional expectations for equivalence bimodules	103
KOZŁOWSKI, W. M.; Monotone Lipschitzian semigroups in Banach spaces	417
MANKET, T.; see GRAHL, J.	34
MAZORCHUK, V.; see COULEMBIER, K.	289
MUSELLA, C.; see DE FALCO, M.	24
NEVO, S.; see GRAHL, J.	34
RADELECZKI, S.; see JÄRVINEN, J.	57
SERENI, J.-S.; see JOUVE, F.	79
STEINKE, G. F.; A family of two-dimensional Laguerre planes of Kleinwillinghöfer type II.A.2	366
TAYLOR, G. K. and VINROOT, C. R.; On involutions and indicators of finite orthogonal groups	380
TERUYA, T.; see KODAKA, K.	103
TRABELSI, N.; see DE FALCO, M.	24
TRONG, N. N. and TRUONG, L. X.; Riesz transforms and Littlewood–Paley square function associated to Schrödinger operators on new weighted spaces	201
TRUONG, L. X.; see TRONG, N. N.	201
VÁŠ, L.; Graded chain conditions and Leavitt path algebras of no-exit graphs	229
VINROOT, C. R.; see TAYLOR, G. K.	380
WAN, J.; see DU, J.	316
WANG, S.; On pseudo-Ehresmann semigroups	257



Cambridge Core

The new home of
Cambridge Journals
cambridge.org/core

Cambridge Core



Mathematics

Books and Journals from
Cambridge University Press

Cambridge is a world leading publisher in pure and applied mathematics, with an extensive programme of high quality books and journals that reaches into every corner of the subject.

Our catalogue reflects not only the breadth of mathematics but also its depth, with titles for undergraduate students, for graduate students, for researchers and for users of mathematics.

We are proud to include world class researchers and influential educators amongst our authors, and also to publish in partnership with leading mathematical societies.

For further details visit:
cambridge.org/core-mathematics

Cambridge
Core



CAMBRIDGE
UNIVERSITY PRESS

cotg u

JOURNAL OF THE AUSTRALIAN MATHEMATICAL SOCIETY

Submission of research papers in all areas of pure mathematics including theoretical contributions in fields such as probability, mathematical physics and mathematical statistics are 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. Articles below ten pages or much above thirty pages will usually not be accepted. In view of the pressure on space, only papers highly rated by assessors can be accepted.

For information on submission of papers, and to submit a paper, see the journal's submission system: <http://mc.manuscriptcentral.com/jaz>.

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 JAustMS style file can be found at: <https://mc.manuscriptcentral.com/jaz>. In the top right corner click on 'Instructions & Forms'. A ScholarOne Manuscripts box will open. Click on LaTeX Style Files and `jaustms.zip` will be sent to your downloads on your computer.

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 , \implies and \iff . 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 1446-7887/2018 \$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.

© 2018 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 the world's forests. Please see www.fsc.org for information.

Table of Contents

The G-centre and gradable derived equivalences <i>Coulembier, K. & Mazorchuk, V.</i>	289
The queer q-Schur superalgebra <i>Du, J. & Wan, J.</i>	316
On paired root systems of Coxeter groups <i>Fu, X.</i>	347
A family of two-dimensional Laguerre planes of Kleinewillinghöfer type II.A.2 <i>Steinke, G. F.</i>	366
On involutions and indicators of finite orthogonal groups <i>Taylor, G. K. & Vinroot, C. R.</i>	380
Monotone Lipschitzian semigroups in Banach spaces <i>Kozłowski, W. M.</i>	417
Author index	429

Cambridge Core

For further information about this journal
please go to the journal website at:

[cambridge.org/jaz](https://doi.org/10.1017/S1446788717000532)

<https://doi.org/10.1017/S1446788717000532> Published online by Cambridge University Press



CAMBRIDGE
UNIVERSITY PRESS