

INDEX

ALBRECHT, A., HOWLETT, P. and VERMA, G.; Inversion of operator pencils on Hilbert space	145
ARENDDT, W., CHALENDAR, I., KUMAR, M. and SRIVASTAVA, S.; Powers of composition operators: asymptotic behaviour on Bergman, Dirichlet and Bloch spaces	289
BADZIAHIN, D. and ZORIN, E.; On generalized Thue–Morse functions and their values	177
BAMBERG, J., FREEDMAN, S. D. and MORGAN, L.; On p -groups with automorphism groups related to the Chevalley group $G_2(p)$	321
BARAVIERA, A., CORTES, W. and SOARES, M.; Simplicity of crossed products by twisted partial actions	202
BAZAO, V. R., CARVALHO, S. L. and DE OLIVEIRA, C. R.; Packing subordinacy with application to spectral continuity	226
BOBER, J. W., FRETWELL, D., MARTIN, G. and WOOLEY, T. D.; Smooth values of polynomials	245
BROOKE-TAYLOR, A. D. and MILLER, S. K.; The quandary of quandles: a Borel complete knot invariant	262
BUNN, R., GROW, D., INSALL, M. and THIEM, P.; A minimal congruence lattice representation for \mathbb{M}_{p+1}	332
CARVALHO, S. L.; see BAZAO, V. R.	226
CHALENDAR, I.; see ARENDT, W.	289
CORTES, W.; see BARAVIERA, A.	202
DE OLIVEIRA, C. R.; see BAZAO, V. R.	226
DJITTE, N., MENDY, J. T. and SOW, T. M. M.; Computation of zeros of monotone type mappings: on Chidume’s open problem	278
FREEDMAN, S. D.; see BAMBERG, J.	321
FRETWELL, D.; see BOBER, J. W.	245
GRANDO, T. and LOURENÇO, M. L.; On a function module with approximate hyperplane series property	341
GROW, D.; see BUNN, R.	332
HOWLETT, P.; see ALBRECHT, A.	145
INSALL, M.; see BUNN, R.	332
KATO, M.; On odd-dimensional complex analytic Kleinian groups	1
KUMAR, M.; see ARENDT, W.	289
LI, J. J. and WU, M.; A note on the intersections of the Besicovitch sets and Erdős–Rényi sets	33
LI, Y. and ZHAO, D.; On graded symmetric cellular algebras	349
LOURENÇO, M. L.; see GRANDO, T.	341
LUPINI, M.; A von Neumann algebra characterization of property (T) for groupoids	363
MARTIN, G.; see BOBER, J. W.	245

MARTIN, G. and TROUPE, L.; The distribution of the number of subgroups of the multiplicative group	46
MENDY, J. T.; see DJITTE, N.	278
MILLER, S. K.; see BROOKE-TAYLOR, A. D.	262
MORGAN, L.; see BAMBERG, J.	321
QIAN, G. and YANG, Y.; Finite solvable groups with distinct monomial character degrees	387
QIAN, G. and YANG, Y.; On sub-class sizes of finite groups	402
ROBINSON, D. W.; Hardy and Rellich inequalities on the complement of convex sets	98
RYVKIN, L., WURZBACHER, T. and ZAMBON, M.; Conserved quantities on multisymplectic manifolds	120
SOARES, M.; see BARAVIERA, A.	202
SOW, T. M. M.; see DJITTE, N.	278
SRIVASTAVA, S.; see ARENDT, W.	289
SUKUMAR, D. and VEERAMANI, S.; Continuity of a condition spectrum and its level sets	412
THIEM, P.; see BUNN, R.	332
TROUPE, L.; see MARTIN, G.	46
VEERAMANI, S.; see SUKUMAR, D.	412
VERMA, G.; see ALBRECHT, A.	145
WOOLEY, T. D.; see BOBER, J. W.	245
WU, M.; see LI, J. J.	33
WURZBACHER, T.; see RYVKIN, L.	120
YANG, Y.; see QIAN, G.	387
YANG, Y.; see QIAN, G.	402
ZAMBON, M.; see RYVKIN, L.	120
ZHAO, D.; see LI, Y.	349
ZORIN, E.; see BADZIAHIN, D.	177

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 1446-7887/2020 \$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.

© 2020 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

Powers of composition operators: asymptotic behaviour on Bergman, Dirichlet and Bloch spaces <i>Arendt, W., Chalendar, I., Kumar, M. & Srivastava, S.</i>	289
On p-groups with automorphism groups related to the Chevalley group $G_2(p)$ <i>Bamberg, J., Freedman, S. D. & Morgan, L.</i>	321
A minimal congruence lattice representation for \mathbb{M}_{p+1} <i>Bunn, R., Grow, D., Insall, M. & Thiem, P.</i>	332
On a function module with approximate hyperplane series property <i>Grando, T. & Lourenço, M. L.</i>	341
On graded symmetric cellular algebras <i>Li, Y. & Zhao, D.</i>	349
A von Neumann algebra characterization of property (T) for groupoids <i>Lupini, M.</i>	363
Finite solvable groups with distinct monomial character degrees <i>Qian, G. & Yang, Y.</i>	387
On sub-class sizes of finite groups <i>Qian, G. & Yang, Y.</i>	402
Continuity of a condition spectrum and its level sets <i>Sukumar, D. & Veeramani, S.</i>	412
Author index	431

Cambridge Core

For further information about this journal
please go to the journal website at:
cambridge.org/jaz



CAMBRIDGE
UNIVERSITY PRESS