INDEX

ANDERSEN, H. H., STROPPEL, C. and TUBBENHAUER, D.; Semisimplicity of Hecke and (walled) Brauer algebras 1
AQUINO, C. P., BATISTA, M. and DE LIMA, H. F.; On the umbilicity of hypersurfaces in the hyperbolic space 45
BACELO, A.; Symmetric crosscap number of groups of order less than or equal to 63 145
BARALIĆ, Đ. B.; On integers occurring as the mapping degree between quasitoric 4-manifolds 289
BATISTA, M.; see AQUINO, C. P. 45
CALABUIG, J. M., RODRÍGUEZ, J. and SÁNCHEZ-PÉREZ, E. A.; Factorization of operators through subspaces of L^1-spaces 313
CHAN, H. H., WANG, L. and YANG, Y.; Congruences modulo 5 and 7 for 4-colored generalized Frobenius partitions 157
CHAO, H.; see NI, X. 116
CHO, J. T. and YANG, D.-H.; Conformally flat contact three-manifolds 177
CRYTSER, D. and NAGY, G.; Traces arising from regular inclusions 190
DE GIOVANNI, F. and TROMBETTI, M.; Nilpotency in uncountable groups 59
DE LIMA, H. F.; see AQUINO, C. P. 45
DE MORAIS FILHO, D. C.; see FIGUEIREDO, G. M. 329
FIGUEIREDO, G. M. and DE MORAIS FILHO, D. C.; Existence of positive solution for indefinite Kirchhoff equation in exterior domains with subcritical or critical growth 329
FUCHS, L. and LEE, S. B.; On modules over commutative rings 341
FURUYA, J., MINAMIDE, M. and TANIGAWA, Y.; On a new circle problem 231
GONÇALVES, D., SOBOTTKA, M. and STARLING, C.; Two-sided shift spaces over infinite alphabets 357
HU, G.; Littlewood–Paley characterization of weighted Hardy spaces associated with operators 250
KHATIBZADEH, H. and RANJBAR, S.; Monotone operators and the proximal point algorithm in complete CAT(0) metric spaces 70
LEE, S. B.; see FUCHS, L. 341
LIU, Z.; see LU, B. 387
LU, B. and LIU, Z.; Cartan–Eilenberg FP-injective complexes 387
LU, G. and TAO, S.; Generalized Morrey spaces over nonhomogeneous metric measure spaces 268
LUCCHINI, A., MARÓTI, A. and RONEY-DOUGAL, C. M.; On the generating graph of a simple group 91
MACGREGOR, T. H. and STERNER, M. P.; Limits of fractional derivatives and compositions of analytic functions 104
MARÓTI, A.; see LUCCHINI, A. 91
MINAMIDE, M.; see FURUYA, J. 231

https://doi.org/10.1017/S144678871600077X Published online by Cambridge University Press

NAGY, G.; see CRYTSER, D. 190
NI, X. and CHAO, H.; Regular semigroups with normal idempotents 116
OHNO, Y. and SASAKI, Y.; On poly-Euler numbers 126
RANJBAR, S.; see KHATIBZADEH, H. 70
RODRÍGUEZ, J.; see CALABUIG, J. M. 313
RONEY-DOUGAL, C. M.; see LUCCHINI, A. 91
SÁNCHEZ-PÉREZ, E. A.; see CALABUIG, J. M. 313
SANGKHANAN, K.; see SOMMANEE, W. 402
SASAKI, Y.; see OHNO, Y. 126
SOBOTTKA, M.; see GONÇALVES, D. 357
SOMMANEE, W. and SANGKHANAN, K.; The regular part of a semigroup of linear transformations with restricted range 402
STARLING, C.; see GONÇALVES, D. 357
STERNER, M. P.; see MACGREGOR, T. H. 104
STROPPEL, C.; see ANDERSEN, H. H. 1
TANIGAWA, Y.; see FURUYA, J. 231
TAO, S.; see LU, G. 268
TROMBETTI, M.; see DE GIOVANNI, F. 59
TUBBENHAUER, D.; see ANDERSEN, H. H. 1
WANG, L.; see CHAN, H. H. 157
WÓJCIK, P.; Birkhoff orthogonality in classical M-ideals 279
WU, H.; A Fujita-type result for a semilinear equation in hyperbolic space 420
YANG, D.-H.; see CHO, J. T. 177
YANG, Y.; see CHAN, H. H. 157

https://doi.org/10.1017/S144678871600077X Published online by Cambridge University Press

The new home of
Cambridge Journals

cambridge.org/core

Cambridge Core

CAMBRIDGE
UNIVERSITY PRESS

https://doi.org/10.1017/S144678871600077X Published online by Cambridge University Press

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 $\forall$, $\exists$, $\Longrightarrow$ and $\Longleftrightarrow$. 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 1446-7887/2017 $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.

© 2017 Australian Mathematical Publishing Association Inc.

MIX
Paper from responsible sources
FSC® C007785
FSC www.fsc.org

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.

https://doi.org/10.1017/S144678871600077X Published online by Cambridge University Press

Table of Contents

On integers occurring as the mapping degree between quasitoric 4-manifolds
Baralić, D. B. **289**

Factorization of operators through subspaces of L^1-spaces
Calabuig, J. M., Rodríguez, J. & Sánchez-Pérez, E. A. **313**

Existence of positive solution for indefinite Kirchhoff equation in exterior domains with subcritical or critical growth
Figueiredo, G. M. & de Morais Filho, D. C. **329**

On modules over commutative rings
Fuchs, L. & Lee, S. B. **341**

Two-sided shift spaces over infinite alphabets
Gonçalves, D., Sobottka, M. & Starling, C. **357**

Cartan–Eilenberg FP-injective complexes
Lu, B. & Liu, Z. **387**

The regular part of a semigroup of linear transformations with restricted range
Sommanee, W. & Sangkhanan, K. **402**

A Fujita-type result for a semilinear equation in hyperbolic space
Wu, H. **420**

Author index **430**

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

Aust MS
Australian Mathematical Society Inc.

CAMBRIDGE UNIVERSITY PRESS

https://doi.org/10.1017/S144678871600077X Published online by Cambridge University Press