

## INFORMATION FOR AUTHORS

The Bulletin of the Australian Mathematical Society aims at quick publication of original research in all branches of mathematics. To ensure speedy publication, only articles which are sufficiently well presented, able to be published without revision, and which are judged by the Editor (often in consultation with an Associate Editor) to be competitive are refereed. This policy is in the interests of authors, as a quick rejection is better than a slow rejection. The Bulletin receives more than five times the material that can be published, therefore there are many commendable papers not accepted. Editorial decisions on acceptance or otherwise are taken quickly, normally within a month of receipt of the paper. Papers are accepted only after peer review.

Manuscripts are accepted for review with the understanding that the same work is not concurrently submitted elsewhere. For a paper to be acceptable for publication, not only should it contain new and interesting results, but also

- (i) the exposition should be clear and attractive, and
- (ii) the manuscript should be in publishable form, without revision.

Further information regarding these requirements may be found through our website [www.austms.org.au/Bulletin](http://www.austms.org.au/Bulletin). Authors are asked to avoid, as far as possible, the use of mathematical symbols in the title.

Articles should be prepared in L<sup>A</sup>T<sub>E</sub>X using  $\mathcal{A}\mathcal{M}\mathcal{S}$ -L<sup>A</sup>T<sub>E</sub>X packages and submitted as a PDF file via our journal management system, at [www.austms.org.au/Publications/Submissions/BAustMS](http://www.austms.org.au/Publications/Submissions/BAustMS). This permits authors to track their papers through the editorial process. Recent versions of T<sub>E</sub>X are able to produce PDF files directly. A L<sup>A</sup>T<sub>E</sub>X class file for the Bulletin can be downloaded from the website. Authors who need assistance may email the secretary of the Bulletin at [jams@ms.unimelb.edu.au](mailto:jams@ms.unimelb.edu.au).

Authors are advised to keep copies of all files of the submitted article; the Bulletin will not accept responsibility for any loss.

## EDITORIAL POLICY

**1. References.** Arrange references alphabetically (by surname of the first author) and cite them numerically in the text. Ensure the accuracy of the references: authors names should appear as in the work quoted. Include in the list of references only those works cited, and avoid citing works which are in preparation or submitted. Where the work cited is not readily accessible (for example, a preprint) a copy of the article should be included with your submission.

### 2. Abstracts.

1. Each paper must include an abstract of not more than 150 words, which should contain a brief but informative summary of the contents of the paper, but no inessential details.
2. The abstract should be self-contained, but may refer to the title.
3. Specific references (by number) to a section, proposition, equation or bibliographical item should be avoided.

**3. Subject Classification and Key Words.** Authors should include a few key words and phrases and one or more classification numbers, following the American Mathematical Society 2000 Mathematics Subject Classification. Details of this scheme can be found on the web at [www.ams.org/msc](http://www.ams.org/msc).

**4. Abstracts of Ph.D. Theses.** The Bulletin endeavours to publish abstracts of all accepted Australasian Ph.D. theses in mathematics. One restriction, however, is that the abstract must be received by the Editor within six months of the degree being approved.



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](http://www.fsc.org) for information.

# Table of Contents

---

<b>On the lengths of pairs of complex matrices of size six</b> <i>Lambrou, M. S. &amp; Longstaff, W. E.</i>	177
<b>Diagrams of an abelian group – Addendum</b> <i>Faticoni, T. G.</i>	202
<b>Self-small abelian groups</b> <i>Albrecht, U., Breaz, S. &amp; Wickless, W.</i>	205
<b>Annihilators of power values of generalized derivations on multilinear polynomials</b> <i>De Filippis, V.</i>	217
<b>The <math>D</math>-property and the Sorgenfrey line</b> <i>Gao, Y.-Z. &amp; Shi, W.-X.</i>	233
<b>Eight consecutive positive odd numbers none of which can be expressed as a sum of two prime powers</b> <i>Chen, Y.-G.</i>	237
<b>Cofiniteness and finiteness of generalized local cohomology modules</b> <i>Chu, L.</i>	244
<b>A classification of spherical symmetric CR manifolds</b> <i>Dileo, G. &amp; Lotta, A.</i>	251
<b>Discreteness criteria for Möbius groups acting on <math>\overline{\mathbb{R}^n}</math> II</b> <i>Li, L.-L. &amp; Wang, X.-T.</i>	275
<b>On <math>p</math>-automorphisms that are inner</b> <i>Shabani Attar, M.</i>	291
<b>Sign-changing solutions for a class of nonlinear Schrödinger equations</b> <i>Liu, X. &amp; Huang, Y.</i>	294
<b>Weak braided bialgebras and weak entwining structures</b> <i>Alonso Álvarez, J. N., Fernández Vilaboa, J. M. &amp; González Rodríguez, R.</i>	306
<b>Transitivity in point-free topology</b> <i>Golzy, M.</i>	317
<b>Fractional integral operators in nonhomogeneous spaces</b> <i>Gunawan, H., Sawano, Y. &amp; Sihwaningrum, I.</i>	324
<b>Reilly inequalities of elliptic operators on closed submanifolds</b> <i>Wang, R.</i>	335
<b>Secure and private fingerprint-based authentication</b> <i>Arakala, A.</i>	347
<b>Generalizations of the fundamental theorem of projective geometry</b> <i>McCallum, R.</i>	350