## 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. Authors are asked to avoid, as far as possible, the use of mathematical symbols in the title.

Articles should be prepared in  $L^{A}T_{E}X$  using  $\mathcal{A}_{M}S$ - $L^{A}T_{E}X$  packages and submitted as a PDF file via our journal management system, at www.austms.org.au/Publications/Submissions/BAustMS. This permits authors to track their papers through the editorial process. Recent versions of  $T_{E}X$  are able to produce PDF files directly. A  $L^{A}T_{E}X$  class file for the *Bulletin* can be downloaded from the website. Authors who need assistance may email the secretary of the *Bulletin* at editor@bulletin.austms.org.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 2020 Mathematics Subject Classification for all codes. Details of this scheme can be found on the web at www.ams.org/msc.

**4. Abstracts of PhD Theses.** The *Bulletin* endeavours to publish abstracts of all accepted Australasian PhD 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 organisation established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

## **Table of Contents**

<b>The general position number of the Cartesian product of two trees</b> <i>Tian, J., Xu, K. &amp; Klavžar, S.</i>	1
On the growth of linear recurrences in function fields	
Fuchs, C. $\mathcal{C}$ Hemize, S. The Diophantine equation $r^4 + 2^{n_0 t} = 1$ in quadratic number fields	11
Li, A.	21
A note on Jeśmanowicz' conjecture concerning nonprimitive Pythagorean triples Fujita, I. ♂ Le, M.	29
Notes on the K-rational distance problem Tho, N. X.	40
<b>On good approximations and the Bowen–Series expansion</b> Marchese, L.	45
A harmonic sum over nontrivial zeros of the Riemann zeta-function	50
Brent, R. P., Platt, D. J. & Trudgian, T. S. Möbing-Fredening many on irreducible polynomials	59
Brochero Martínez, F. E., Oliveira, D. & Reis, L.	66
<i>h</i> -minimum spanning lengths and an extension to Burnside's theorem on irreducibility	
Longstaff, W. E.	78
A new algorithm for decomposing modular tensor products Barry M 7 7	94
Fixed point theorem for an infinite Toeplitz matrix	51
Abramov, V. M.	108
Triplet invariance and parallel sums         Lee, T-K., Lin, JH. & Quynh, T. C.	118
The character graph of a finite group is perfect         Ebrahimi, M.	127
Some homological properties of Fourier algebras on homogeneous spaces Esmailvandi, $R. \mathcal{C}$ Nemati, $M$ .	132
Generalised weighted composition operators on Bergman spaces induced by doubling weights	
Lau, B. A mate on the Calois LCD codes over the sing $\mathbb{R}^n$ + $w\mathbb{R}^n$	141
Wu, R. $\mathfrak{S}$ Shi, M.	154
Abstracts of PhD Theses	
Schrödinger operators and the Kato square root problem Bailey, 7.	162
Finite <i>p</i> -groups and coclass theory	
Saha, S.	164
Dirac operators on orientifolds Kitson, S.	167
<b>Controlling the false discovery rate through multiple competition</b> <i>Emery, K.</i>	169
Experim <mark>ental design for d</mark> ependent data	
Senarathne, S. G. J.	171
Efficient and nonintrusive electropumping of water in nanotubes Ostler, D.	173
A computational model of the initial/pre-collecting lymphatics, and a study of	
lymphatic valvogenesis Ikhimwin, B. O.	175
Retraction	
Ancient solutions of codimension two surfaces with curvature pinching – Retraction	176

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





https://doi.org/10.1017/50004972720000854 Published online by Cambridge University Press 1 So