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 \LaTeX using \mathscr{F}_M S- \LaTeX 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 \Tau EX are able to produce PDF files directly. A \LaTeX 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.
- 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

New generalisations of van Hamme's (G.2) supercongruence $Tang$, N .	177
Hecke operators and Drinfeld cusp forms of level t	
Bandini, A. & Valentino, M.	184
Approximating numbers of the Cantor set by algebraic numbers $\mathcal{Z}hang$, Y , Liu , \mathcal{J} . \mathscr{C} Shi , S .	196
On Lüroth expansions in which the largest digit grows with slowly increasing speed Zhang, M. J. & Wang, W. L.	204
Ohno–Zagier type relations for multiple t -values $Li, \mathcal{Z}. \otimes Song, \mathcal{X}.$	215
An analogue of the Schur-Siegel-Smyth trace problem Flammang, V.	227
The absolute S_k -measure of totally positive algebraic integers	
Wang, C., Pang, X. & Wu, Q.	239
Canonical decomposition and quiver representations of type \tilde{A}_n over finite fields Chen, Q , \cong Liu, Υ .	250
Finite groups with abnormal minimal nonnilpotent subgroups	
Wang, Z., Cai, J., Safonova, I. N. & Skiba, A. N.	261
Some products of subgroups and vanishing conjugacy class sizes	
Ballester-Bolinches, A., Esteban-Romero, R., Madanha, S. Y. & Pedraza-Aguilera, M. C.	271
Groups with a large permutably embedded subgroup De Falco, M., de Giovanni, F. & Musella, C.	276
Erdős-Liouville sets	
Chalebgwa, T. P. & Morris, S. A.	284
Hankel measures for Fock space	
Wang, E.	290
A generalisation of a supercongruence on the truncated Appell series $ F_3 $ $Wang, X. \in \mathcal{V}u, M$.	296
Strichartz estimates for the wave equation inside cylindrical convex domains	
Meas, L.	304
Estimating the size of the (H, G)-coincidences set in representation spheres de Mattos, D., dos Santos, E. L. & Souza, T. O.	313
A new higher order Yang-Mills-Higgs flow on Riemannian 4-manifolds	010
Saratchandran, H., Zhang, J. & Zhang, P.	320
Galois LCD codes over $\mathbb{F}_q + u\mathbb{F}_q + v\mathbb{F}_q + uv\mathbb{F}_q$ Agrawal, A., Verma, G. K. & Sharma, R. K.	330
Abstracts of PhD Theses	
Recursive characterisations of random matrix ensembles and associated combinatorial objects Rahman, A. A.	342
Fast methods for fitting log-Gaussian Cox process models in ecology Dovers, E.	344
Fuzzy approaches against outliers and applications in wind energy	
Chakravarty, S.	346
Rational and generalised rational Chebyshev approximation problems and their applications $Peiris, V$	349
Sensitivity analysis: Advancing the effectiveness of global sensitivity analysis	
Sun, X.	351



