

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^AT_EX using $\mathcal{A}\mathcal{M}\mathcal{S}$ -L^AT_EX 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_EX are able to produce PDF files directly. A L^AT_EX 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

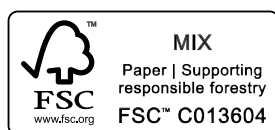
1. References. Arrange references alphabetically (by surname of the first author) and cite them numerically in the text. Ensure the accuracy of the references: authors' names should appear as in the work quoted. Include in the list of references only those works cited, and avoid citing works which are 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

Every arithmetic progression contains infinitely many b-Niven numbers <i>Harrington, J., Litman, M. & Wong, T. W. H.</i>	409
On the density of sumsets, II <i>Leonetti, P. & Tringali, S.</i>	414
Sumsets containing a term of a sequence <i>Chen, M. & Tang, M.</i>	420
Additive completion of thin sets <i>Fang, J.-H. & Sándor, C.</i>	429
An improvement to a theorem of Leonetti and Luca <i>Danh, T. N. T., Dung, H. T., Hung, P. V., Kien, N. D., Thinh, N. A., Toan, K. D. & Tho, N. X.</i>	437
A note on the Goormaghtigh equation concerning difference sets <i>Fujita, Y. & Le, M.-H.</i>	443
Linear independence of values of the q-exponential and related functions <i>Dixit, A. B., Kumar, V. & Pathak, S. S.</i>	453
Transcendence of generalised Euler–Kronecker constants <i>Kandhil, N. & Lusia, R.</i>	464
On the N-point correlation of van der Corput sequences <i>Weiß, C.</i>	471
On quadratic fields generated by polynomials <i>Shparlinski, I. E.</i>	476
On sums involving the Euler totient function <i>Kiuchi, I. & Tsuruta, Y.</i>	486
An algebraic interpretation of the super Catalan numbers <i>Limanta, K.</i>	498
On p-solvability and average character degree in a finite group <i>Eskandari, E. & Ahanjideh, N.</i>	507
Locally finite simple groups whose nonnilpotent subgroups are pronormal <i>Ferrara, M. & Trombetti, M.</i>	512
Finite groups with hereditarily G-permutable Schmidt subgroups <i>Ballester-Bolínches, A., Kamornikova, S. F., Pérez-Calabuig, V. & Tyutyunov, V. N.</i>	522
Groups with few nonpower subgroups <i>Zheng, J., Zhou, W. & Taylor, D. E.</i>	529
On separate continuity and separate convexity: a synthetic treatment for functions and sets <i>Uyanik, M. & Khan, M. A.</i>	541
A note on normalised ground states for the two-dimensional cubic-quintic nonlinear Schrödinger equation <i>Li, D. & Wang, Q.</i>	552
On real nonisomorphic Banach spaces with homeomorphic geometric structure spaces <i>Tanaka, R.</i>	562
Curvature-torsion entropy for twisted curves under curve shortening flow <i>Khan, G.</i>	571
On the expected uniform error of Brownian motion approximated by the Lévy–Ciesielski construction <i>Brown, B., Griebel, M., Kuo, F. Y. & Sloan, I. H.</i>	581
Abstracts of PhD Theses	
Extraction of density-layered fluid from a porous medium <i>Jose, J.</i>	594
Author Index for Volume 109	596