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 $\mathcal{A}_{M}S$ -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 TeX 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 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.
- 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 2010 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.



MIX
Paper from
responsible sources
FSC® C007785

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

A minimum degree condition for fractional ID- $[a,b]$ -factor-critical graphs	
Zhou, S., Sun, Z. & Liu, H.	177
On Levi's theorem for Leibniz algebras	
Barnes, D. W.	184
Polynomial endomorphisms preserving outer rank in two variables	
Jin, Y. & Du, X. K.	186
Impulsive periodic solutions for singular problems via variational methods	
Sun, J. & O'Regan, D.	193
Strong and weak weighted norm inequalities for the geometric fractional maximal	
operator C. C. V. L. C. P.	005
Barza, S. & Niculescu, C. P.	205
Some remarks on the Riemann zeta function and prime factors of numerators of	
Bernoulli numbers	916
Luca, F. & Pizarro-Madariaga, A.	216
Convolution of functionals of discrete-time normal martingales	004
Han, Q., Wang, C. S. & Zhou, Y. L.	224
Joint universality of Hurwitz zeta-functions	000
Laurinčikas, A.	232
Positive solutions of a second-order Neumann boundary value problem with a	
parameter The NAME OF THE PARAMETER OF T	044
Zhang, YW. & Li, HX.	244
Cohomology and profinite topologies for solvable groups of finite rank	054
Lorensen, K.	254
Generalized higher derivations	000
Cojuhari, E. P. & Gardner, B. J.	266
Sparse sets on the plane and density points defined by families of sequences	000
Horbaczewska, G.	282
c-Sections, solvability and large subgroups of finite groups	001
Baumeister, B. & Kaplan, G.	291
On the exponential Diophantine equation $x^2 + p^{2m} = 2y^n$	
Zhu, H., Le, M. & Togbé, A.	303
The modulus of weakly compact multipliers on the Banach algebra $L^1(\mathcal{G})^{**}$ of a locally compact group	
Mehdipour, M. J.	315
On locally defined formations of soluble Lie and Leibniz algebras	313
Barnes, D. W.	322
On periodic solutions for first-order differential equations involving the	344
distributional Henstock-Kurzweil integral	
Liu, W., Ye, G. J., Wang, Y. & Zhou, X. Y.	327
On the distribution of torsion points modulo primes	
Chen, YM. J. & Kuan, YL.	339
On the Diophantine equation $(8n)^x + (15n)^y = (17n)^z$	
Yang, ZJ. & Tang, M.	348

