

INFORMATION FOR AUTHORS

The Bulletin of the Australian Mathematical Society aims at quick publication of original research in all branches of mathematics. The Editors receive more than three times as much material as can be published in the BULLETIN; many meritorious papers can, therefore, not be accepted. Authors are asked to avoid, as far as possible the use of mathematical symbols in the title. Manuscripts are accepted for review with the understanding that the same work is not concurrently submitted elsewhere.

To ensure speedy publication, editorial decisions on acceptance or otherwise are taken quickly, normally within a month of receipt of the paper. Papers are accepted only after a careful evaluation by the Editor and an Associate Editor or other expert in the field. As even minor revisions are generally not permitted, authors should read carefully all the details listed below. 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;
- (ii) the manuscript should be in publishable form, without revision.

Authors should submit three clean, high quality copies to

The Editorial Office, Bulletin of the Australian Mathematical Society,
Department of Mathematics, The University of Queensland,
Queensland 4072, Australia.

Unless requested at the time, material submitted to the BULLETIN will usually not be returned.

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 photocopy of the title page and relevant sections of the copy that you have used should be included with your submission.

2. Abstracts.

1. Each paper must include an abstract of not more than 200 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. Authors should include in their papers one or more classification numbers, following the 1991 Mathematics Subject Classification. Details of this scheme can be found in each Annual Index of Mathematical Reviews.

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 6 months of the degree being approved.

5. Electronic Manuscripts. The Bulletin is produced using $\mathcal{A}_{\mathcal{M}}\mathcal{S}$ - $\mathcal{T}_{\mathcal{E}}\mathcal{X}$. Authors who are able to do so are invited to prepare their manuscripts using $\mathcal{A}_{\mathcal{M}}\mathcal{S}$ - $\mathcal{T}_{\mathcal{E}}\mathcal{X}$. Hard copy only should be submitted for assessment, but if the paper is accepted the author will be asked to send the text on a $5\frac{1}{4}$ IBM PC compatible diskette or via e-mail to ams@maths.uq.edu.au. [Typed manuscripts are, of course, still acceptable.]

Bulletin of the Australian Mathematical Society

Note on a theorem of Gromoll-Grove	
Grant Cairns and Richard H. Escobales, Jr.	1
Braid representations of periodic links	
Sang Youl Lee and Chan-Young Park	7
Collections of sequences having the Ramsey property only for few colours	
Bruce M. Landman and Beata Wysocka	19
Duality for a non-differentiable programming problem	
J. Zhang and B. Mond	29
The fixed point problem for generalised nonexpansive maps	
Michael A. Smyth	45
Chain recurrence and discretisation	
Barnabas M. Garay and Josef Hofbauer	63
On a homotopy invariant for simplexes and its application	
Chung-Wei Ha	73
Tree sign pattern matrices that require zero eigenvalues	
Wei-Hsu Chen and Mao-Ting Chien	81
Quasi reflexivity and the sup of linear functionals	
P.K. Jain, K.K. Arora and D.P. Sinha	89
Characterisations of Galois extensions of prime cubed degree	
James E. Carter	99
A family of Chebyshev-Halley type methods in Banach spaces	
J.M. Gutiérrez and M.A. Hernández	113
Topological separability and axioms of countability in GPO-spaces	
J.C.R. Alcantud	131
Totally disconnected, nilpotent, locally compact groups	
G. Willis	143
Averaging distances in certain Banach spaces	
Reinhard Wolf	147
Quadratic approximation of solutions for ordinary differential equations	
Juan J. Nieto	161

ABSTRACTS OF AUSTRALASIAN Ph.D. THESES

Specialisations of generalised Drinfel'd-Sokolov hierarchies	
Andrew Hill	169
Topics in Lipschitz global optimisation	
Baoping Zhang	171
Mathematics of crossover with selection in genetic algorithms: haploid and diploid populations	
I.D. Bruce	175