

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 Editor, 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 will be of great help to the editors.

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 $\mathcal{A}\mathcal{M}\mathcal{S}\text{-T}\mathcal{E}\mathcal{X}$. Authors who are able to do so are invited to prepare their manuscripts using $\mathcal{A}\mathcal{M}\mathcal{S}\text{-T}\mathcal{E}\mathcal{X}$. 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.oz.au. [Typed manuscripts are, of course, still acceptable.]

A calculus rules for combinations of ellipsoids and applications	1
Alberta Seeger	
On Hermite-Fejér interpolation on the Chebyshev nodes	13
Graeme J. Byrne, T.M. Mills and Simon J. Smith	
On minimax inequalities on spaces having certain contractible subsets	25
Sehie Park	
Periods for triangular maps	41
Lluís Alsedá and Jaume Llibre	
On the signature of generalised Seifert fibrations	55
Peter Y. Pang	
Posets of ordered compactifications	59
Thomas A. Richmond	
A direct ellipsoid method for linear programming	73
Shiquan Wu and Fang Wu	
Posets, near unanimity functions and zigzags	79
László Zádori	
Projectivity and duality in a Morita context	95
Zhou Zhengping	
Critical point theorems with relaxed boundary condition and applications	101
Yihong Du	
Ultrabornological Bochner integrable function spaces	119
J.C. Ferrando	
Eigenvalue estimates and isoperimetric inequalities for cone-manifolds	127
Craig Hodgson and Johan Tysk	
Embedding up to homotopy type in Euclidean space	145
A.N. Dranshnikov and D. Repovš	
The natural topology of Matlis reflexive modules	149
Richard Belshoff	
Ramanujan's remarkable summation formula and an interesting convolution identity	155
S. Bhargava, Chandrashekhara Adiga and D.D. Somashekhara	
Power roots of polynomials	163
John Boris Miller	
The structure of certain group C^*-algebras	169
Milan Pahor	

ABSTRACTS OF AUSTRALASIAN Ph.D. THESES

Compact quantum systems	175
R.J.B. Fawcett	