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 Aus-TEX. Authors who are able to do so are invited to prepare their manuscripts using TEX. (We accept Plain TFX, AMS-TFX or IATFX.) Hard copy only should be submitted for assessment. but if the paper is accepted the author will be asked to send the text on an 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

Cardinalities of locally compact groups and their Stone-C	ech compactifica	tions			
Gerald L. Itzkowitz, Sidney A. Morris and Vladimir	/. Tkachuk		• •	* •	353
Extreme points in spaces between Dirichlet and VMO					
K.J. Wirths and J. Xiao			• •		365
Weighted discrepancy of Faure-Niederreiter nets for a cer	tain sequence o	f weigh	ts		
Friedrich Pillichshammer				• •	377
One-sided estimates for quasimonotone increasing function	ns				
Gerd Herzog and Roland Lemmert			• •	• •	383
Derivatives of kernels associated to complex subelliptic or	erators				
A.F.M. ter Elst			10 A.	÷ 4	393
On incidence rings of group automata					
A.V. Kelarev			• •	÷ 6	407
Unbounded principal eigenfunctions and the logistic equa	tion on R ^N				
Wei Dong and Yihong Du	• • • • • • • •			3 .	413
S-strictly quasi-concave vector maximisation					
Hong-Bin Dong, Xun-Hua Gong, Shou-Yang Wang an	nd Luis Coladas			5 e	429
Structure of the kernels associated with invariant subspace	es of the Bergn	an shif	ft		
George Chailos				8.8	445
The uniform law of large numbers for the Kaplan-Meier i	ntegral process				
Jongsig Bae and Sungyeun Kim					459
The uniform central limit theorem for the Kaplan-Meier	integral process				
Jongsig Bae and Sungyeun Kim				94 AS	467
Global existence and comparison theorem for a nonlinear	parabolic equat	ion			
Mahmoud Hesaaraki and Abbas Moameni			14 P.	14 F	481
Real hypersurfaces in complex two-plane Grassmannians	with parallel sh	ape ope	erator		
Young Jin Suh		19.6		S 8	493
A Banach space property of Trubnikov					
Simeon Reich and Hong-Kun Xu			· •	10 m	503
Determination of torsion Abelian groups by their automo	rphism groups				
P. Schultz, A. Sebeldin and A.L. Sylla			* *	14 ×	511
Erratum: Two hyperbolic Schwarz lemmas					
L. Bernal-González and M.C. Calderón-Moreno		14 K	3.8	1414	521

ABSTRACTS OF AUSTRALASIAN Ph.D. THESES

Stochastic analysis and	l appro	xima	tion of	fractio	onal di	fusion				
R. McVinish						• •		 • •	• •	523
On the use of the bisp	ectrum	to d	etect a	nd mo	del no	n-linea	rity			
Adrian Gerard Ba	rnett		• •	* *	**			 • •	• •	 527

Volume	67 N	um	ber 3
--------	------	----	-------

June 2003