

# BULLETIN

ISSN 0004-9727

## of the AUSTRALIAN MATHEMATICAL SOCIETY

Volume 26 Number 2

October 1982

<b>On the structure of a class of equivariant maps</b>	
by M. J. Field .. .. .	161
<b>Hyperbolic manifolds admitting holomorphic fiberings</b>	
by Subhashis Nag. . . . .	181
<b>Standard elements in a nearlattice</b>	
by William H. Cornish and A. S. A. Noor .. . . .	185
<b>Recurrence relations in a modular representation algebra</b>	
by J-C. Renaud .. . . .	215
<b>Two addenda to the author's 'Transfinite constructions'</b>	
by G. M. Kelly .. . . .	221
<b>A theorem on power-open LCA groups and its consequences</b>	
by M. A. Khan .. . . .	239
<b>On measures of polynomials in several variables: Corrigendum</b>	
by Gerald Myerson and C. J. Smyth. . . . .	317

### AUSTRALIAN MATHEMATICAL SOCIETY APPLIED MATHEMATICS CONFERENCE

<b>Nonlinear diffusion in a finite layer</b>	
by J-Y. Parlange, D. A. Lockington and R. D. Braddock .. . . .	249
<b>Solutions of period seven for a logistic difference equation</b>	
by A. Brown .. . . .	263
<b>A molecular model of ionic conductivity in nerve</b>	
by D. K. McIlroy . . . . .	285

*The University of Queensland Press, St Lucia, Queensland, 4067, Australia*

*Printed in Australia by Watson Ferguson & Co.*

Registered by Australia Post—Publication No. QBQ2945

# BULLETIN OF THE AUSTRALIAN MATHEMATICAL SOCIETY

Editor: Sidney A. Morris

Deputy Editor: K. R. Pearson

Honorary Editor: B. H. Neumann

## Associate Editors

Robert S. Anderssen  
Alan L. Andrew  
B. D. Craven  
Brian A. Davey  
P. Donovan  
B. J. Gardner  
J. R. J. Groves  
James M. Hill

D. A. Holton  
D. C. Hunt  
P. E. Kloeden  
J. S. Maritz  
Rodney Nillsen  
Sheila Oates-Williams  
A. J. van de Poorten  
J. H. Rubinstein

Leon Simon  
Ross Street  
G. Szekeres  
D. G. Tacon  
Colin J. Thompson  
H. B. Thompson  
Rudolf Vyborny

## Assistant Editors

Robert S. Anderssen

M. S. Brooks

## INFORMATION FOR AUTHORS

The BULLETIN of the Australian Mathematical Society aims at quick publication of original research in all branches of mathematics. Timely expository articles are also welcomed.

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 being evaluated by the Editor and an Associate Editor or another expert. Of course responsibility for the correctness of results published in the BULLETIN remains with the authors.

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.

Nevertheless some meritorious papers will have to be rejected because speed of publication involves space limitations.

Authors should submit THREE clean, high quality copies to  
The Editor, Bulletin of the Australian Mathematical Society,  
Department of Pure Mathematics, La Trobe University,  
Bundoora, Victoria 3083, Australia

but should not send the original typescript of their papers, as material submitted to the BULLETIN will usually not be returned. Authors should note that each paper submitted must include an abstract and one or more classification numbers following the 1980 Mathematics Subject Classification.

As even minor revisions are generally not permitted, authors should read carefully all the details listed on the inside back cover.

## 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 3 months of the degree being approved.

## © Copyright by Australian Mathematical Society 1982.

Copyright. Apart from any fair dealing for scholarly purposes as permitted under the Copyright Act, no part of this BULLETIN may be reproduced by any process without written permission from the Treasurer of the Australian Mathematical Society.