BULLETIN ISSN 0004-9727

of the

AUSTRALIAN MATHEMATICAL SOCIETY

Volume 31 Number 1	February 198
--------------------	--------------

Density of numerical radius attaining	opera	ators or	some	reflexi	ve spa	ces				
by Carmen Silvia Cardassi								(8.8)	14.45	1
Local definitions of local homomorph	s and	format	ions of	finite	groups	S				
by P. Förster and E. Salomo										5
A remark on completely reducible n										
by Stefania De Stefano and S			Sieno	441.00	2.2	424	2.2	44	12/20	35
Topological categories with many syr										
by G. M. Kelly and F. Rossi										41
Spectral subspaces of operator-value										
by Matjaž Omladič										61
A geometrically aberrant Banach spa	ce wit	h norm	al stru	cture						
by J. R. Giles, Brailey Sims a	nd S.	Swami	nathai	n		***	414	(a) a	24.42	75
On the spectrum of the biharmonic of										
by Pui-Fai Leung and Luen-								14.4	4.2	83
The minimal number of periodic orbit										
by Bau-Sen Du									3.5	89
Irreducible designs from supplementa	ry diff	ference	sets							
by D. R. Breach and Anne P										105
Weighted composition operators on f										
by R. K. Singh and R. David	Chai	ndra K	umar					**		117
Oscillatory behavior of nonlinear diff										
by S. R. Grace and B. S. Lall								14.4		127
Some results concerning the Cauchy										
by J. Vukman										137
On the laws of certain varieties of gro	oups									
by Robert B. Howlett and Ri		Levin	gston							145
Abstracts of Australasian PhD theses	5									
Provable conditions in computational	comp	lexity t	heory							
by Daryel Sachse-Akerlind					414	2.0	44		0000	155
Eventually regular semigroups										
by Phillip Martin Edwards	***	18.43		1/4	202		7432	14.4	50	157
An improved convexity maximum pri	nciple	and so	me api	olicatio	ns					
by Alan U. Kennington .					***	4.4		52	16.5	159

BULLETIN OF THE AUSTRALIAN MATHEMATICAL SOCIETY

Editor: Sheila Oates-Williams Deputy Editor: H. B. Thompson Honorary Editor: B. H. Neumann

Associate Editors

J. A. Eccleston D. C. Hunt Robert S. Anderssen Ross Street P. E. Kloeden G. Szekeres Alan L. Andrew B. J. Gardner J. R. Giles D. G. Tacon E. J. Billington Rodney Nillsen J. R. J. Groves G. B. Preston E. U. Tarafdar B. D. Craven Brian A. Davey J. A. Hempel J. H. Rubinstein Colin J. Thompson P. Donovan D. A. Holton Leon Simon A. J. van der Poorten 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 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 and on the inside back cover.

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 Mathematics, University of Queensland, St. Lucia, Queensland, 4067, Australia

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

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 6 months of the degree being approved.

© Copyright Statement. Where necessary, permission to photocopy for internal or personal use or the internal or personal use of specific clients is granted by the Treasurer, Australian Mathematical Publishing Association, Inc., for libraries and other uses registered with the Copyright Clearance Center (CCC), provided that the base fee of \$A2.00 per copy of article is paid directly to CCC, 21 Congress Street, Salem, MA 01970, U.S.A. Special requests should be addressed to the Treasurer, Australian Mathematical Publishing Association, Inc., c/- Department of Mathematics, University of Queensland, St., Lucia, Qld., 4067, Australia. Serial-fee code: 0004-9727/85 \$A2.00 + 0.00.

Continued Inside Back Cover