BULLETIN ISSN 0004-9727

of the

AUSTRALIAN MATHEMATICAL SOCIETY

Volume 25 Number 2

April 1982

.. 313

Deside and the base of second 2										
Does mathematics have elements:										161
A Hilbort Schmidt norm inequality a	seociater	with the	Fuglede	-Putns	m the	orem	100	182	100	
by Takayuki Furuta	Sourace	i mitin tine	I ugreat					3.4		177
On randomly 3-axial graphs										
by Yousef Alavi, Sabra S. Ar	nderson,	Gary Ch	artrand	and S	. F. K	apoor	94.94 1	24.34		187
Continued fraction solutions of the R	iccati eq	uation								
by A. N. Stokes				÷.+	23	272	14.14	14.141	14.141	207
On locally weakly almost periodic tra	ansforma	tion grou	ips							215
by Saber Elaydi	30	12.12		2.02			11		12120	215
Approximation of entire functions ov	er Carat	heodory	tomains							221
by G. P. Kapoor and A. Nau	itiyal .	e	* *	*:*	**	1912	44	2.2	2.2	221
On some Banach space sequences										231
The product of pro Padon mansures		****					1962	(1212)	3.6	
by Susumu Okada					8.9					243
Maximum principle for non-linear de	generate	equation	s of the	parabo	lic ty	pe				
by J. Chabrowski and Rudol	f Vybor	ný		1.4	-			1.00	(a) #3	251
A note on 1-factors of point determin	ing grap	hs								
by Chia Gek-Ling and Lim G	Chong-K	leang			33.		122	22		265
Time lags and density dependence in	age depe	endent two	o species	s comp	etition	1				
by K. Gopalsamy		· · · ·				1.20			• •	2/1
A theorem on abstract Segal algebra	s over so	me comn	iutative	Banaci	n alge	bras				202
by U. B. Tewari and K. Part	hasarati	iy		d monto		nortial.		Addom	dum	493
Infinite series and the derived set of the	e aggrega	ite of the	ractiona	ii parts	orns	partial	sums:	Autori	uum	315
by S. Audinarayana Moorth	y Artinian	ringe: Co	rrigend			•••			£.83	515
weak ideal invariance and orders in	Aruman	rings, Co	ningenu	um						317
by John A. Beachy	10.	a								
ABSTRACTS OF AUSTRALASIA	N PhD	THESES	5							
Anormiero or neormieno.										
Problems on the distribution of conju	igates of	algebraid	number	rs						
by C. W. Lloyd-Smith		14/4	14.4	14141	(\mathbf{x},\mathbf{x})	1.4	4.45	+141		303
De Morgan algebras										-
by Peter R. Fowler				14.4	12121		111	2.22		305
Lie symmetries of differential equation	ons and	lynamica	I system	S						200
by Geottrey Eamonn Prince		(* (* *	2.1	10.00			2.2	55		509

The University of Queensland Press, St Lucia, Queensland, 4067, Australia Printed in Australia by Watson Ferguson & Co.

Registered by Australia Post-Publication No. QBQ2945

by Rodney Ian Yager ...

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 der Poorten J. H. Rubinstein Leon Simon G. Szekeres D. G. Tacon Colin J. Thompson H. B. Thompson Rudolf Výborný R. F. C. Walters

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.