

BULLETIN

Volume 9 (1973)

of the Australian Mathematical Society

Number 3

Masako Izumi and Shin-ichi Izumi	<i>Uniform convergence and everywhere convergence of Fourier series. I</i>	321
Masako Izumi and Shin-ichi Izumi	<i>Uniform convergence and everywhere convergence of Fourier series. II</i>	337
L. C. A. van Leeuwen and T. L. Jenkins	<i>A supernilpotent non-special radical class</i>	343
Sheila Oates Macdonald	<i>Laws in finite strictly simple loops</i>	349
D. A. Holton	<i>Completely semi-stable trees</i>	355
J. N. Ward	<i>On groups admitting a noncyclic abelian auto- morphism group</i>	363
J. N. Ward	<i>Nilpotent signalizer functors on finite groups</i>	367
R. D. Riess	<i>Hermite-Féjer interpolation at the 'practical' Chebyshev nodes</i>	379
Peter D. Finch	<i>Macroscopic descriptions of microscopic pheno- mena</i>	391
Peter D. Finch and Elizabeth Heathcote	<i>Characters for summary functions associated with cartesian products</i>	411
Kalyan Kumar Bagchi and Lokenath Debnath	<i>Transient development of capillary-gravity waves in a running stream</i>	417
I. D. Macdonald	<i>Computer results on Burnside groups</i>	433
Ludvik Janos	<i>An application of combinatorial techniques to a topological problem</i>	439
David E. Zitarelli	<i>Inverse subsemigroups of Rees matrix semigroups</i>	445
N. R. Reilly	<i>Free generators in free inverse semigroups: Corrigenda</i>	479
Abstracts of Australasian PhD theses		
Robert John Dyne	<i>An investigation of the collision broadening of spectral lines</i>	465
Ian Robert James	<i>Concepts of independence for bounded-sum variables</i>	469
M. W. Evans	<i>Some topics in non-singular rings</i>	471
A. M. Brunner	<i>Fibonacci sequences and group theory</i>	473
L. F. Harris	<i>Varieties and section closed classes of groups</i>	475
John Howard Knight	<i>Solution of nonlinear diffusion equation: existence, uniqueness, and estimation</i>	477

Bull. Austral. Math. Soc. Vol. 9 (1973) No. 3, pp. 321-480

THE UNIVERSITY OF QUEENSLAND PRESS
ST LUCIA, QUEENSLAND 4067

Registered in Australia for transmission by post as a periodical (category C)

THE AUSTRALIAN MATHEMATICAL SOCIETY

President: G. Szekeres University of New South Wales
Secretary: W. Pye Melbourne College of Education,
 Grattan and Swanston Streets, Carlton,
 Victoria 3053, Australia
Treasurer: V. G. Hart Department of Mathematics,
 University of Queensland
 St Lucia, Queensland 4067, Australia.

(These officers serve until May 1974)

Membership and correspondence

Applications for membership, notices of change of address or title or position, and other correspondence, except as noted below, should be sent to the Secretary (address above). Subscriptions and correspondence related to accounts should be sent to the Treasurer (address above). Correspondence about the distribution of the Society's JOURNAL and BULLETIN, and orders for back numbers, should be sent to the Business Manager, whose address is the same as the Treasurer's (above).

Publications

The JOURNAL of the Australian Mathematical Society began publication in 1959, and now appears in two volumes, each of four parts, annually. Manuscripts for publication should be sent to the Editor:

Professor B. Mond,
Department of Mathematics,
La Trobe University,
Bundoora, Victoria 3083, Australia,

or to one of the Associate Editors listed in a recent part of the JOURNAL. The BULLETIN of the Australian Mathematical Society began publication in 1969. Two volumes of three numbers each are published annually. Manuscripts for publication should be sent to the Editor:

Professor B. H. Neumann,
Department of Mathematics,
Institute of Advanced Studies,
Australian National University,
POB4, Canberra, ACT 2600, Australia,

or to the Associate Editor, Dr L. G. Kovács, at the same address.

Authors receive 50 free offprints of their papers and may order more at cost. Offprint orders and correspondence about proofs should be sent to one of the Assistant Editors:

Associate Professor A. McMullen, or
Department of Mathematics,
Royal Military College,
Duntroon, ACT 2600, Australia.

Dr. S. Yamamuro,
Department of Mathematics,
Institute of Advanced Studies,
Australian National University,
POB4, Canberra, ACT 2600, Australia.

(Continued inside back cover)