

# BULLETIN

Volume 8 (1973)

of the Australian Mathematical Society

Number 3

K. Tronson	<i>The limits of time stepping when used to solve the long wave equations numerically</i>	321
G. H. Golub and E. Seneta	<i>Computation of the stationary distribution of an infinite Markov matrix</i>	333
John W. Chaney	<i>A note on the lattice properties of the linear maps of finite rank</i>	343
Sheila Oates Macdonald and Anne Penfold Street	<i>On Conway's conjecture for integer sets</i>	355
Charles Swartz	<i>The product of vector-valued measures</i>	359
G. Szekeres	<i>Polyhedral decompositions of cubic graphs</i>	367
Panayotis Th. Lambrinos	<i>A note on quasi-uniform continuity</i>	389
Chin-Hung Ching and Charles K. Chui	<i>Some inequalities in trigonometric approximation</i>	393
T. Bryant Moodie	<i>On the propagation, reflection, and transmission of transient cylindrical shear waves in nonhomogeneous four-parameter viscoelastic media</i>	397
G. P. Monro	<i>Small sets with large powersets</i>	413
B. J. Noye	<i>The response of lake levels to an unsteady wind stress</i>	423
K. R. Pearson	<i>On the units of a modular group ring II</i>	435
M. Schroder	<i>Solid convergence spaces</i>	443
Elizabeth Pennington	<i>Trifactorisable groups</i>	461
Ann K. Boyle	<i>When projective covers and injective hulls are isomorphic</i>	471
Abstracts of Australasian Ph.D. theses		
Richard Weiss	<i>Numerical procedures for Volterra integral equations</i>	477
P. K. Stewart	<i>Inelastic collision processes in the Townsend-Huxley diffusion experiment</i>	479

---

Bull. Austral. Math. Soc. Vol. 8 (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

## 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)*