

THE JOURNAL
of
THE AUSTRALIAN MATHEMATICAL
SOCIETY

VOLUME XIX (SERIES A) - PART 2

MARCH 1975

R. J. CLARKE	<i>A class of simple groups with no doubly transitive representations</i>	129
E. J. HANNAN	<i>Linear regression in continuous time</i>	146
R. H. SCHELP	<i>A partial Baer * -semigroup of relations</i>	160
G. DAVIS	<i>Orthogonality relations on Abelian groups</i>	173
HARVEY WOLFF	<i>Commutative distributive laws</i>	180
YUDELL L. LUKE	<i>On the error in a certain interpolation formula and in the Gaussian integration formula</i>	196
K. CAPELL	<i>Eigenvalues in trailing edge flows</i>	210
RODNEY NILSEN	<i>A characterisation of ergodic measures</i>	222
RICHARD D. BYRD, ROBERTO A. MENA and LINDA A. TROY	<i>Generalised Boolean lattices</i>	225
J. BERMAN and Ph. DWINGER	<i>Finitely generated pseudocomplemented distributive lattices</i>	238
ANDREW WIRTH	<i>Locally compact tight Riesz groups</i>	247
E. J. COCKAYNE AND P. J. LORIMER	<i>The Ramsey number for stripes</i>	252

Published for
THE AUSTRALIAN MATHEMATICAL SOCIETY
by Jerusalem Academic Press — Jerusalem — Israel

THE JOURNAL

Two volumes of four parts are published annually at a price of A\$30 per volume, in 1975. Manuscripts (two copies) for publication should be sent to the editor. Authors are asked to follow the instructions in the American Mathematical Society: *A manual for authors of mathematical papers* except as indicated on the outside cover of this Journal.

Editor of the Journal

J. N. Crossley, Department of Mathematics, Monash University, Clayton 3168, Australia.
Correspondence concerning the printing of papers after their acceptance for publication should be addressed to one of the Assistant Editors:

J. R. J. Groves	Department of Mathematics, University of Melbourne Parkville 3052, Australia
	or
D. K. Ross	Department of Mathematics, La Trobe University, Bundoora 3083, Australia.

THE AUSTRALIAN MATHEMATICAL SOCIETY

<i>President:</i>	H. S. Green	University of Adelaide
<i>Secretary:</i>	W. Pye	Melbourne State College, 757 Swanston Street, Carlton, Australia 3053.
<i>Treasurer:</i>	V. G. Hart	Department of Mathematics, University of Queensland, St. Lucia, Australia 4067.
<i>Business Manager:</i>	H. M. Finucan	Department of Mathematics, University of Queensland, St. Lucia, Australia 4067.
<i>Membership subscriptions:</i>	Institutions:	A\$100
	Other members:	A\$16 (which may be reduced to A\$6 for under- graduates and junior graduates).

Reciprocity agreements: Such agreements have been made with a number of other mathematical societies. Under the agreements members of the other societies who are not normally resident in Australia may join the Australian Mathematical Society at half the current rates.

Membership and correspondence: Applications for membership, notice of change of address or title or position, and other correspondence should be sent to the Secretary. Subscriptions and correspondence related to accounts should be sent to the Treasurer. Correspondence about the distribution of the Society's GAZETTE, JOURNAL and BULLETIN, and orders for back numbers, should be sent to the Business Manager.

Members of the Society receive copies of the GAZETTE free, and may subscribe to either of the Society's research publications, the JOURNAL or the BULLETIN at the price of A\$8 per year.
