## JOURNAL of the

## AUSTRALIAN MATHEMATICAL SOCIETY

## Series A - Pure Mathematics and Statistics Volume 55 Part 2 October 1993

Jonathan A. Hillman
On 4-manifolds with universal covering space a compact geometric manifold ..... 137
MARSTON D. E. CONDER Cusps, triangle groups and hyperbolic 3-folds ..... 149
and Gaven J. MartinEdward H. BurgerOn Mahler's compound bodies183
Qinghe Yin On Hausdorff dimension for attractors of iterated function systems ..... 216
Robert Huotari Tubular sets and multivariate Polya algorithm ..... 232
E. Jespers and
P. WAUTERS between the prime spectra ..... 238
Christian Berg, Generation of generators of holomorphic semi- groups ..... 246ANDRalph deLaubenfels
Shelly L. Wismath Hyperidentity bases for rectangular bands and other semigroup varieties ..... 270

The Journal of the Australian Mathematical Society began publication in 1959, and from 1975 has appeared in two series, Series A (Pure Mathematics and Statistics) and Series B (Applied Mathematics). Information about Series B may be found on the inside back cover.

## Series A, Pure Mathematics and Statistics

Submission of research papers in pure mathematics and mathematical statistics is invited. Authors intending to submit papers for publication should prepare the typescript following the instructions below, and should send two complete copies to the Editor, or to an appropriate Associate Editor (see back cover of this issue).

Two volumes of three parts each are planned for 1993. These are Volume 54 and Volume 55. The annual subscription price to non-members is A\$237.00 (US\$180.00) for 1993.

## PREPARATION OF TYPESCRIPTS

1. The author should keep a complete copy of the submitted article; the Society will not accept responsibility for any loss.
2. Each typescript should include (i) an abstract of not more than 150 words, preferably containing no formulae, and certainly containing no complicated formulae and no references, (ii) a 1991 Mathematics subject classification (Amer. Math. Soc.), (iii) if the title is long, a shortened form of it, no more than forty characters in length, including spaces.
3. The article should be typed, printed or photocopied on high quality A4 or quarto bond paper, on one side only, with at least double spacing, and with a generous margin (at least 3 cm ) all around.
4. Two alternative styles for references and quotations are described below. Authors are requested to use one and only one style consistently throughout their typescript.

Style 1. A typical reference in the list of references would be
T. M. Cherry (1965), "Infinite linear systems with homogeneous kernel of degree -1", J. Austral. Math. Soc. 5, 129-168.
A corresponding reference in the text would be: Cherry (1965), p. 155.
STYLE 2. A typical reference in the list of references would be
[3] L. Grüschen, "Pseudo-quasi-ergodic theorems", J. Austral. Math. Soc. 4 (1960), 2-3.
A corresponding reference in the text would be: Grüschen [3]; or ([3], [4], [9]); or Grüschen [2,3]; or Grüschen [3. Theorem 1].

In either style, the list of references should be in alphabetical order of surnames of first authors.
5. Explain clearly what symbols are to be set in special typefaces (such as cursive, fraktur, script, bold) and what is required with any unusual symbols (which should wherever possible be chosen from symbols available to the printer).
6. Avoid abbreviations, such as Thm., Prop., Ex., iff, i.e., e.g., $\forall, \exists, \Rightarrow$, and $\Leftrightarrow$.
7. Authors should provide diagrams (except for category theory type diagrams), drawn to professional standards.
8. Authors are encouraged to submit their papers in $\mathrm{IAT}_{\mathrm{E}} \mathrm{X}$.

Journal of the Australian Mathematical Society, Series A - Pure Mathematics and Statistics, is published bimonthly by the Australian Mathematical Society, c/-Department of Mathematics, University of Queensland, Qld 4072, Australia. Second class postage is paid at Ann Arbor, Michigan 48106. Postmaster: Send address change notices to Dr. B. D. Jones, Australian Mathematical Society, c/-Department of Mathematics, University of Queensland, Qld 4072. Australia.

