

The Bulletin of the Australian Mathematical Society aims at quick publication of original research in all branches of mathematics. The Editors receive more than twice as much material as can be published in the BULLETIN; many meritorious papers can, therefore, not be accepted. Authors are asked to avoid, as far as possible the use of mathematical symbols in the title. Manuscripts are accepted for review with the understanding that the same work is not concurrently submitted elsewhere.

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 a careful evaluation by the Editor and an Associate Editor or other expert in the field. As even minor revisions are generally not permitted, authors should read carefully all the details listed below. 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;
- (ii) the manuscript should be in publishable form, without revision.

Authors should submit three clean, high quality copies to

The Editor, Bulletin of the Australian Mathematical Society,
Department of Mathematics, The University of Queensland,
Queensland 4072, Australia.

Unless requested at the time, material submitted to the BULLETIN will usually not be returned.

EDITORIAL POLICY

1. References. Arrange references alphabetically (by surname of the first author) and cite them numerically in the text. Ensure the accuracy of the references: authors' names should appear as in the work quoted. Include in the list of references only those works cited, and avoid citing works which are "in preparation" or "submitted". Where the work cited is not readily accessible (for example, a preprint) a photocopy of the title page and relevant sections of the copy that you have used will be of great help to the editors.

2. Abstracts.

- 1. Each paper must include an abstract of not more than 200 words, which should contain a brief but informative summary of the contents of the paper, but no inessential details.
- 2. The abstract should be self-contained, but may refer to the title.
- 3. Specific references (by number) to a section, proposition, equation or bibliographical item should be avoided.

3. Subject Classification. Authors should include in their papers one or more classification numbers, following the 1980 Mathematics Subject Classification (1985 Revision). Details of this scheme can be found in each Annual Index of Mathematical Reviews.

4. Abstracts of Ph.D. Theses. The Bulletin endeavours to publish abstracts of all accepted Australasian Ph.D. theses in mathematics. One restriction, however, is that the abstract must be received by the Editor within 6 months of the degree being approved.

5. Electronic Manuscripts. The Bulletin is produced using $A_M S_T E X$. Authors who are able to do so are invited to prepare their manuscripts using $A_M S_T E X$. Hard copy only should be submitted for assessment, but if the paper is accepted the author will be asked to send the text on a 5¼ IBM PC compatible diskette. [Typed manuscripts are, of course, still acceptable.]

| | |
|---|-----|
| Signal spaces—an axiomatic approach to space-time | 355 |
| Peter Szekeres | |
| On quasiaustics and their logarithmic vector fields | |
| S. Janeczko | 365 |
| Characterisation of drop and weak drop properties for closed bounded convex sets | |
| J.R. Giles and Denka N. Kutzarova | 377 |
| Monochromatic solutions to equations with unit fractions | |
| Tom C. Brown and Vojtech Rödl | 387 |
| Volume inequalities using sections of convex sets | |
| Paul R. Scott | 393 |
| On holomorphic differentials of some algebraic function field of one variable over \mathbb{C} | |
| Ja Kyung Koo | 399 |
| Topological dimensions of global attractors for semilinear PDE's with delays | |
| Joseph W.-H. So and Jianhong Wu | 407 |
| Separable measures and the Dunford-Pettis property | |
| José Aguayo and José Sánchez | 423 |
| Generalised Helly and Radon numbers | |
| Krzysztof Kołodziejczyk | 429 |
| On the construction problem for single-exit Markov chains | |
| P.K. Pollett | 439 |
| Commutativity theorems for rings with polynomial constraints on certain subsets | |
| Hiroaki Komatsu and Hisao Tominaga | 451 |
| A note on shortly connected inverse semigroups | |
| S.M. Goberstein | 463 |
| Discrete Wirtinger and isoperimetric type inequalities | |
| Dingyi Tang | 467 |
| On the relative behaviour of moduli of smoothness | |
| S.P. Zhou | 475 |
| On the Cesàro-Perron integral | |
| M.K. Bose and B. Ghosh | 483 |
| On n-flat modules over a commutative ring | |
| David E. Dobbs | 491 |
| Generalised retract semigroups | |
| Karl Auinger | 499 |
| Recurrence in persistent dynamical systems | |
| Sung Kyu Choi, Chin-Ku Chu and Keon-Hee Lee | 509 |
| On a reflected Ornstein-Uhlenbeck process with an application | |
| F.A. Attia | 519 |