

# GLASGOW MATHEMATICAL JOURNAL

## Information for authors

**General policy.** The *Glasgow Mathematical Journal* publishes original research papers in any branch of Pure or Applied Mathematics. Its policy is to feature a wide variety of research areas and it welcomes the submission of papers from all parts of the world. Selection for publication is on the basis of reports from specialist referees commissioned by the Editors.

**Preparation of papers.** Papers should be typed or word-processed in double spacing with wide margins. They should be prepared so as to conform to the practice in current issues of the Journal as regards general layout, references, tables and figures. If special fonts are used, they should conform to the Journal's practice.

References should be placed at the end of the paper, arranged and numbered in alphabetical order. In the text, reference numbers should be enclosed in square brackets to distinguish them from formula numbers which should be quoted in round brackets. The following particulars should be given, in the order indicated:

*for references to books*—author, title, edition, publisher, year of publication;  
*for references to articles in periodicals*—author, title of article, short title of periodical, series number (if any), volume number, year, pagination.

Text figures must be suitable for photographic reproduction and supplied separate from the text but allocated clearly to sections of the text.

Instructions regarding unusual symbols or any typographical point that might cause confusion should be provided on a separate sheet.

Authors are reminded that they should retain a copy of anything submitted for publication since neither the Journal nor its printers can accept liability for any loss.

**Proofs.** Prior to publication sets of proofs of each paper will be sent to authors. The Journal asks for the cooperation of authors in returning their proofs promptly and in minimising the corrections they ask for. Excessive corrections may be charged to authors.

**Offprints.** Authors of papers printed in the Journal are entitled to 50 offprints free of charge. Additional copies can be supplied at cost if ordered and paid for before publication. An order form will be sent with each set of proofs.

**Submission of papers.** Two copies of each paper should be sent to:

THE EDITORS  
GLASGOW MATHEMATICAL JOURNAL,  
UNIVERSITY OF GLASGOW,  
DEPARTMENT OF MATHEMATICS,  
UNIVERSITY GARDENS,  
GLASGOW G12 8QW U.K.

## CONTENTS

<b>Michael A. Dokuchaev and Jairo Z. Gonçalves</b> , Semigroup identities on units of integral group rings	1
<b>Bernd Billhardt</b> , Extensions of semilattices by left type- <i>A</i> semigroups	7
<b>Włodzimierz Jelonek</b> , Characterization of affine ruled surfaces	17
<b>Ibrahim Assem and Peter Brown</b> , Strongly simply connected Auslander algebras	21
<b>Sharief Deshmukh</b> , Normal curvature of minimal submanifolds in a sphere	29
<b>Oliver Dickenschied</b> , On the adjoint group of some radical rings	35
<b>C. A. Pallikaros</b> , A note on the representation theory of the Hecke algebra of type $F_4$	43
<b>Houshang Behravesht</b> , The minimal degree of a faithful quasi-permutation representation of an abelian group	51
<b>Maohua Le</b> , A note on the diophantine equation $x^2 + 7 = y^n$	59
<b>Pablo Arés Gastesi</b> , Some results on Teichmüller spaces of Klein surfaces	65
<b>Karel Stroethoff</b> , Compact Hankel operators on weighted harmonic Bergman spaces	77
<b>Piotr Dudziński</b> , Topological invariants of germs of real analytic functions	85
<b>Takashi Watanabe</b> , The $KO$ -cohomology ring of $SU(2n)/SO(2n)$	91
<b>T. S. Blyth and H. J. Silva</b> , Endomorphism regular Ockham algebras of finite Boolean type	99
<b>John Cossey</b> , Automorphisms fixing every subnormal subgroup of a finite group	111
<b>Hyo Chul Myung and Dong Soo Lee</b> , Jacobi elliptic algebras of $SO(3)$	115

---

GLASGOW MATHEMATICAL JOURNAL  
Volume 39 Part 1 January 1997