

## NOTES FOR AUTHORS

### Submitting a paper

*Proceedings of the Royal Society of Edinburgh: Section A* considers for publication papers in all areas of mathematics. Papers for submission should be sent to:

The Editorial Office (Proc A)  
International Centre for Mathematical Sciences  
14 India Street  
Edinburgh EH3 6EZ, Scotland, UK

Contact numbers: Tel: (0)131 220 1777; Fax (0)131 220 1053; e-mail: [icms-proca@maths.ed.ac.uk](mailto:icms-proca@maths.ed.ac.uk)

Authors should send three copies of the paper; they should not at this stage send a disk or e-mail a file to the Editorial Office. At present, *Proceedings A* requires hard copies of the paper and does not accept electronic submission.

A paper by more than one author should be submitted with a statement, signed by each author, to the effect that the paper in its entirety is approved by the joint authors and naming the author who will be responsible for correspondence.

An acknowledgement letter or e-mail will be sent to the corresponding author on receipt of the paper. This will cite a reference number which will be used in all future correspondence regarding the paper.

Authors must prepare their papers as concisely as possible. Although *Proceedings A* has no page limit, longer papers can be difficult to review in a reasonable time and can be judged more harshly.

Each paper must be accompanied by a synopsis, in general not exceeding 200 words, which will be printed. References should be listed at the end of the paper in alphabetical order, numbered sequentially. References within the text should be indicated by numbers in square brackets. Authors are encouraged to use T<sub>E</sub>X typesetting software to prepare their papers. The L<sub>A</sub>T<sub>E</sub>X macro package is especially recommended and a class file, with a brief guide, is available on either the RSE and ICMS website. Once a paper has been accepted for publication, authors will be asked, whenever possible, to supply the appropriate electronic file. This should be a single file, with any relevant macros included in the preamble, and named after the article reference number (e.g. A99345.tex). Figures in postscript form are also welcome, and should be submitted at the same time as the code for the paper.

### Proofs and offprints

Authors will be sent proofs of their paper for checking, together with an offprint order form. Fifty offprints are supplied free of charge, this number to be shared between joint authors. Additional offprints may be ordered in units of 25.

### Copyright

On acceptance of their paper, authors are asked to assign the copyright of their paper to the Royal Society of Edinburgh. They are also asked to ensure that any electronic versions of their paper clearly state the official place of publication.

Except as otherwise permitted under the Copyright, Designs and Patents Act, 1988, papers published in *Proceedings A* may only be reproduced, stored or transmitted with the prior permission of the copyright holder, or, in the case of reprographic reproduction, in accordance with the terms of a licence issued by the Copyright Licensing Agency. The Society permits the making of a single photocopy of an article from an issue (under Sections 29 & 38 of the Act) for an individual for the purposes of research or private study.

### Subscription details

The journal is published every two months by the RSE Scotland Foundation. Subscription price is £230 for six issues (vol 129). Orders, claims etc., should be addressed to CAB International, Wallingford, Oxon OX10 8DE, UK. Tel: (0)1491 832111; Fax (0)1491 826090.

### Websites

The Royal Society of Edinburgh: <http://www.ma.hw.ac.uk/RSE/>  
ICMS: <http://www.ma.hw.ac.uk/icms/>

# PROCEEDINGS OF THE ROYAL SOCIETY OF EDINBURGH

(Section A)

Volume 129

1999

Part 2

---

---

## CONTENTS

H. ALZER	Some inequalities for arithmetic and geometric means	221–228
E. BALLICO	Stability of bundles with a given filtration on a smooth curve	229–234
D. CAO, E. S. NOUSSAIR and S. YAN	Solutions with multiple peaks for nonlinear elliptic equations	235–264
K. DECKELNICK and C. M. ELLIOT	Local and global existence results for anisotropic Hele–Shaw flows	265–294
Y. DU	A degree theoretic approach to N-species periodic competition systems on the whole $\mathbb{R}^n$	295–318
E. FĀSANGOVÁ and E. FEIREISL	The long-time behaviour of solutions to parabolic problems on unbounded intervals: the influence of boundary conditions	319–329
I. FRAGALÀ and C. MANTEGAZZA	On some notions of tangent space to a measure	331–342
J. GLOBEVNIK	Holomorphically embedded discs with rapidly growing area	343–349
B. HUGHES	Stratified path spaces and fibrations	351–384
E. LOUBEAU	Harmonic morphisms as a variational problem	385–393
H. MATANO and T. OGIWARA	Stability analysis in order-preserving systems in the presence of symmetry	395–438

(Issued 14 April 1999)

---

---

ISSN 0308–2105

*Proc. Roy. Soc. Edinb.*, A 129

*Managed by ICMS, Edinburgh*  
*Typeset in T<sub>E</sub>X by T&T Productions Ltd., London*  
*Printed by J. W. Arrowsmith Ltd., Bristol*  
*Distributed by CAB International, Wallingford*