

NOTES FOR AUTHORS

Submitting a paper

Full details on submitting a paper, including the style guide and L^AT_EX class file and macro package, can be found at <https://www.cambridge.org/core/journals/proceedings-of-the-royal-society-of-edinburgh-section-a-mathematics/information/instructions-contributors>

Proceedings of the Royal Society of Edinburgh: Section A considers for publication papers in all areas of mathematics. Please note that this journal does not consider simultaneous submissions from the same author.

- Authors will be asked to state the primary AMS 2010 Classification Number and between three and six keywords.
- Authors should nominate the most appropriate Editor for their paper.
- It is assumed that the author uploading the paper will be responsible for correspondence. A paper by more than one author should be approved in its entirety by the joint authors. An acknowledgement e-mail will be sent to all authors.
- Proceedings A has a page limit of 25pp but may consider papers up to five pages longer to allow for variation in final typeset length. Authors must prepare their papers as concisely as possible. Longer papers can be difficult to review in a reasonable time and can be judged more harshly.
- Each paper must be accompanied by an abstract, 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.

To submit your paper visit https://rse.msp.org/submit_new.php?jpath=rse_proc_a_math and follow the instructions for uploading.

Once a paper has been accepted for publication, authors will be asked to supply the appropriate file. This should be a single file, with any relevant macros included in the preamble, and named after the article reference number (e.g. 150421-authorname.tex). Figures should be submitted as eps or pdf files at the same time as the code for the paper. Detailed instructions will be given on acceptance.

Language

We recommend that non-English-speaking authors have their manuscripts checked by an English language native speaker before submission, to ensure that submissions are judged exclusively on academic merit. Third-party services specialising in language editing and/or translation can be found here: <https://www.cambridge.org/core/services/authors/language-services>. Use of any of these services is voluntary, and at the authors' own expense.

Proofs and offprints

Authors will be sent proofs of their paper by e-mail in pdf format for checking. A pdf of the final 'publisher's version' of the paper will be sent to the corresponding author shortly after print publication in lieu of hard copy offprints.

Copyright/Open Access

The RSE now operates a 'hybrid' Open Access model for its journals, for accepted papers submitted on or after 1 April 2013. On acceptance, authors will be given the option of having their paper published **either** under a regular publication agreement **or** under a fully Open Access agreement. Under the regular publication option, authors will be asked to sign the Journal's standard transfer of copyright form.

If authors choose the Open Access option, they will be asked to sign the alternative Open Access form and, upon payment of a one-off Article Processing Charge of UK£1780/US\$2835 (in 2017), the final published Version of Record shall be made freely available to all in perpetuity, and will be published under a creative commons licence, enabling its free re-use and re-distribution.

Please note that publication under a fully Open Access agreement is part of the Cambridge Open option. (For more details, please see: <https://www.cambridge.org/core/services/open-access-policies>)

Authors 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.

Websites

The Royal Society of Edinburgh: www.rse.org.uk

CUP: <https://www.cambridge.org/core/>

PROCEEDINGS OF THE ROYAL SOCIETY OF EDINBURGH

(Section A)

Volume 151

2021

Part 1

CONTENTS

G. PEÑAFORT SANCHIS AND M. ZACH Kato–Matsumoto-type results for disentanglements	1–27
F. DAHMANI, M. HAGEN AND A. SISTO Dehn filling Dehn twists	28–51
U. RIEß On the non-divisorial base locus of big and nef line bundles on K3 ^[2] -type varieties	52–78
D. HARUTYUNYAN AND H. MIKAYELYAN On the L^∞ -maximization of the solution of Poisson's equation: Brezis–Gallouet–Wainger type inequalities and applications	79–92
J. BYEON, S.-H. CHOI, Y. KIM AND S.-H. MOON Least energy solution for a scalar field equation with a singular nonlinearity	93–109
C. DE FILIPPIS Regularity for solutions of fully nonlinear elliptic equations with nonhomogeneous degeneracy	110–132
A. LUCCHINI, M. MOSCATIELLO AND P. SPIGA Bounding the maximal size of independent generating sets of finite groups	133–150
A. PISTOIA AND G. VAIRA Nondegeneracy of the bubble for the critical p -Laplace equation	151–168
A. KOSKI AND J. ONNINEN Radial symmetry of minimizers to the weighted Dirichlet energy	169–186
R. CLEMENTE, J. MARCOS DO Ó AND P. UBILLA On supercritical problems involving the Laplace operator	187–201
M. R. A. GOUCEIA, J. LLIBRE AND L. A. ROBERTO Phase portraits of the quadratic polynomial Liénard differential systems	202–216
T. SATHIYARAJ, JINRONG WANG AND D. O'REGAN Controllability of stochastic nonlinear oscillating delay systems driven by the Rosenblatt distribution	217–239
K. LAN AND W. LIN Steady-state solutions of one-dimensional competition models in an unstirred chemostat via the fixed point index theory	240–264
G. VALLET AND A. ZIMMERMANN Well-posedness for nonlinear SPDEs with strongly continuous perturbation	265–295
Z. MIHULA Embeddings of homogeneous Sobolev spaces on the entire space	296–328
X. LIU, S. MA AND J. XIA Multiple bound states of higher topological type for semi-classical Choquard equations	329–355
N. Q. LE On approximating minimizers of convex functionals with a convexity constraint by singular Abreu equations without uniform convexity	356–376
C. DOMÍNGUEZ AND K. Y. LAM Nonsingular bilinear maps revisited	377–390
A. DOR-ON AND C. LINDEN All finite transitive graphs admit a self-adjoint free semigroupoid algebra	391–406
J. E. SAMPAIO Globally subanalytic CMC surfaces in \mathbb{R}^3 with singularities	407–424

ISSN 0308-2105

Proc. Roy. Soc. Edinb., A 151

Printed in Great Britain by Bell & Bain Ltd Glasgow

This journal issue has been printed on FSC™-certified paper and cover board. FSC is an independent, nongovernmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

