

THE EDINBURGH MATHEMATICAL SOCIETY

The Edinburgh Mathematical Society was instituted in 1883 for ‘the promotion and extension of Mathematical Science, Pure and Applied’.

Members may subscribe to the *Proceedings* at a reduced rate. Further information about membership can be obtained from the Secretary.

The Society’s address is The Secretary, The Edinburgh Mathematical Society, James Clerk Maxwell Building, The King’s Buildings, Edinburgh EH9 3JZ, UK (edmathsoc@ed.ac.uk).

Submission of papers

Papers to be considered for publication should be submitted by email (preferably) to pems@icms.org.uk (in the form of a single pdf, postscript or T_EX/L^AT_EX attachment). Alternatively, papers may be submitted by post to PEMS Editorial Office, International Centre for Mathematical Sciences, 15 South College Street, Edinburgh EH8 9AA, UK.

Each manuscript should contain a short abstract of no more than 200 words and also a primary classification number from the American Mathematical Society’s 2010 Mathematics Subject Classification Scheme. The style and arrangement of the paper should conform to current practice in the *Proceedings*.

Authors should include in their covering note a suggestion of an appropriate subject editor from the list of board members on the inside front cover.

Authors are encouraged to use T_EX or L^AT_EX to prepare their papers. L^AT_EX is especially recommended, and a class file is available from <http://icms.org.uk/activities/pems> although it is not necessary to use this.

Once an article has reached its final form and is accepted for publication, authors will be asked to supply a T_EX file for the paper (if available). This should be a single file, with any relevant macros included in the preamble. Figures in PostScript form are also welcome, and should be submitted at the same time as the T_EX file for the paper (in zipped format if appropriate).

When a paper has been accepted for publication, the corresponding author will be able to choose to publish the paper under a regular publication agreement or under a fully Open Access agreement.

In the case where authors choose to publish a paper as a regular publication, they will need to sign the Journal’s standard transfer of copyright form (http://journals.cambridge.org/images/fileUpload/images/PEMS_ctf.pdf): under the conditions detailed on such form, when an article is accepted, its authors are free to post their version of the accepted manuscript on a website or repository. As such, *Proceedings of the Edinburgh Mathematical Society* is compliant with the Open Access mandates of the vast majority of academic institutions and funding sources.

In the case where authors choose to publish a paper under a fully Open Access agreement, they will be asked to sign the alternative Open Access form (http://journals.cambridge.org/images/fileUpload/images/PEMS_ctf_oa.pdf) and, upon payment of a one-off Article Processing Charge of UK£1780/US\$2835 (in 2016), 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: <http://journals.cambridge.org/action/displaySpecialPage?pageId=4576>).

One proof is supplied, which should be corrected and returned promptly. Excessive corrections may be charged to authors. Authors will receive an electronic offprint in pdf format.

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

Rational cup product and algebraic K_0-groups of rings of continuous functions	607
<i>H. Kihara and N. Oda</i>	
On the uniqueness of solutions for Kawahara type equations	623
<i>M. A. de Farias, C. I. Kondo and J. R. dos Santos Filho</i>	
An inductive Julia-Carathéodory theorem for pick functions in two variables	647
<i>J. E. Pascoe</i>	
Liftings of Jordan and super Jordan planes	661
<i>N. Andruskiewitsch, I. Angiono and I. Heckenberger</i>	
Maximal subgroups and irreducible representations of generalized multi-edge spinal groups	673
<i>B. Klopsch and A. Thillaisundaram</i>	
Quasilinear scalar field equations involving critical Sobolev exponents and potentials vanishing at infinity	705
<i>A. N. Lyberopoulos</i>	
A few remarks on the tube algebra of a monoidal category	735
<i>S. Neshveyev and M. Yamashita</i>	
Variable Hardy spaces associated with operators satisfying Davies–Gaffney estimates	759
<i>D. Yang, J. Zhang and C. Zhuo</i>	
Model completeness for the real field with the Weierstrass \wp function	811
<i>R. Bianconi</i>	
Existence of a solution for a non-local problem in \mathbb{R}^N via bifurcation theory	825
<i>C. O. Alves, R. N. de Lima and M. A. S. Souto</i>	
Generating infinite random graphs	847
<i>C. Biró and U. B. Darji</i>	
Cohomology of flat principal bundles	869
<i>Y. Byun and J. Kim</i>	
Weak-type boundedness of the Fourier transform on rearrangement invariant function spaces	879
<i>S. Boza and J. Soria</i>	
On universal operators and universal pairs	891
<i>R. Schroderus and H.-O. Tylli</i>	