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 $T_{E}X/L^{4}T_{E}X$ attachment). Alternatively, papers may be submitted by post to PEMS Editorial Office, International Centre for Mathematical Sciences, The Bayes Centre, 47 Potterrow, Edinburgh EH8 9BT, 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^3T_EX to prepare their papers. L^3T_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 License to Publish form (https://www.cambridge.org/core/journals/ proceedings-of-the-edinburgh-mathematical-society/information/author-publishing-agreement): 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 \pounds 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.

Proceedings of the Edinburgh Mathematical Society

VOLUME 68 (SERIES II) PART 2	MAY 2025
Kirby diagrams of 4-dimensional open books Chun-Sheng Hsueh	319
The sectional curvature of the infinite dimensional manifold of Hölder equilibrium probabilities Artur O. Lopes and Rafael O. Ruggiero	348
On quasi and weak Steinberg characters of general linear groups Surinder Kaur	403
Ideals of equations for elements in a free group and Stallings folding Dario Ascari	421
Linear convergence of alternating inertial Tseng-type method for solving inclusion problems on Hadamard manifolds <i>H. A. Abass</i>	463
The abelianization of the elementary group of rank two Behrooz Mirzaii and Elvis Torres Pérez	487
Strict Faber–Krahn-type inequality for the mixed local–nonlocal operator under polarization K. Ashok Kumar and Nirjan Biswas	506
Nef vector bundles on a quadric threefold with first Chern class two Masahiro Ohno	526
Conditions for the supersolvability of $F(g)$ Guotuan Ru, Shengmin Zhang and Zhencai Shen	566
Irreducible factors of a polynomial Sneha Mavi and Anuj Bishnoi	573
Strongly dense representations of surface groups D. D. Long and A. W. Reid	583
Kostant's problem for parabolic Verma modules Volodymyr Mazorchuk and Shraddha Srivastava	594
Schwarz lemma for harmonic functions in the unit ball Zhenghua Xu, Ting Yu and Qinghai Huo	616
Right-angled Artin groups and the cohomology basis graph Ramon Flores, Delaram Kahrobaei, Thomas Koberda and Corentin Le Coz	634
On the structure of non-negative integer sets which have identical representation functions <i>Cui-Fang Sun and Hao Pan</i>	655

Cambridge Journals Online For further information about this journal please go to the journal website at: cambridge.org/pem

