Ownership and Publication of Mathematika

Mathematika was founded in the early 1950s by Harold Davenport and is owned by University College London. Since 2010, the journal has been published on behalf of its owner by the London Mathematical Society (LMS). In 2015, the LMS celebrates the 150th anniversary of its founding in 1865. The LMS is the major British learned Society for mathematics and publishes twelve other journals, five of which are in collaboration with other learned societies. Cambridge University Press prints and distributes Mathematika under agreement with the London Mathematical Society.

All articles, including the full archive dating back to 1954, are available electronically via Cambridge Journals Online.

Aims and Scope

Mathematika publishes both pure and applied mathematical articles of the highest quality. The traditional emphasis has been towards the purer side of mathematics but applied mathematics and articles addressing both aspects are equally welcome.

Submission of Manuscripts

Authors wishing to submit a paper for publication should follow the guidelines available via the webpage http://www.lms.ac.uk/publications.

Authors will be asked to assign copyright to University College London prior to publication.

No paper should have been published or be under consideration for publication elsewhere. Nor may the paper be submitted elsewhere while it remains under consideration by *Mathematika*.

Offprints

A URL giving free access to the final published article will be provided free of charge. Offprints can be ordered on the form which will accompany the page proofs.

Printed back numbers

Orders for volume 56 (2010) onwards should be sent to Cambridge University Press. Printed copies of volume 55 (2009) and earlier volumes are available from the Department of Mathematics, University College London. Please contact mathematika@math.ucl.ac.uk.

Copying

This journal is registered with the Copyright Clearance Centre, 222 Rosewood Drive, Danvers, MA 01923, USA. Organizations in the USA that are registered with the CCC may therefore copy material beyond the limits permitted by sections 107 and 108 of US copyright law subject to payment to CCC of the per-copy fee. This consent does not extend to multiple copying for promotional and commercial purposes. Code 0025-5793/2015.

Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions. For all other use, permission should be sought from Cambridge or the American branch of Cambridge University Press.

Published by the London Mathematical Society on behalf of University College London.

Typeset by Sunrise Setting Ltd, Paignton, UK. Printed in the UK by Bell and Bain Ltd.

Mathematika

VOLUME 61 PART 1 JANUARY 2015

Tae Hattori and Atsushi Kasue Expansion constants and hyperbolic embeddings of finite graphs	1-13
Sean Prendiville Matrix progressions in multidimensional sets of integers	14-48
Eric Naslund On improving Roth's theorem in the primes	49-62
Erin Linebarger and Jianqiang Zhao A family of multiple harmonic sum and multiple zeta star value identities	63-71
Farzad Aryan The distribution of k-tuples of reduced residues	72-88
Yoshinori Mizuno On characterization of Siegel cusp forms of degree 2 by the Hecke bound	89–100
Bao-Wei Wang, Zhi-Ying Wen and Jun Wu Hausdorff dimensions of some liminf sets in Diophantine approximation	101-120
Étienne Fouvry, Emmanuel Kowalski and Philippe Michel On the exponent of distribution of the ternary divisor function	121-144
Ruixiang Zhang On configurations where the Loomis–Whitney inequality is nearly sharp and applications to the Furstenberg set problem	145–161
Benoît R. Kloeckner A geometric study of Wasserstein spaces: Ultrametrics	162-178
Gilles Pisier On the metric entropy of the Banach–Mazur compactum	179–198
Adam Osękowski A splitting procedure for Bellman functions and the action of dyadic maximal operators on L^p	199-212
Michael Kelly A variation on Selberg's approximation problem	213-235
Wolfram Hinderer, Daniel Hug and Wolfgang Weil Extensions of translation invariant valuations on polytopes	236-258
János Pach and Konrad J. Swanepoel Double-normal pairs in space	259-272

