COMPOSITIO MATHEMATICA

VOLUME 148

2012

Edited by

S. J. EDIXHOVEN
University of Leiden

B. J. J. MOONEN
University of Amsterdam

B. J. TOTARO
University of Cambridge

© Foundation Compositio Mathematica London Mathematical Society

EDITORIAL BOARD

A. A. BEILINSON
University of Chicago, IL, USA

P. BIRAN
ETH Zürich, Switzerland

C. BREUIL
Université Paris-Sud, Orsay, France

D. CALEGARI
California Institute of Technology, CA, USA

J.-H. EVERTSE
University of Leiden, The Netherlands

G. FALTINGS
Max-Planck-Institut für Mathematik, Bonn, Germany

D. GAITSGORY
Harvard University, Cambridge, MA, USA

J.-M. HWANG
Korea Institute for Advanced Study, Korea

B. KELLER
Université Paris Diderot, France

B. KLEINER
Courant Institute of Mathematical Sciences, NY, USA

M. KONTSEVICH
Institut des Hautes Études Scientifiques, Bures-sur-Yvette, France

J. A. LURIE
Harvard University, Cambridge, MA, USA

M. MUSTAŢĂ
University of Michigan, Ann Arbor, MI, USA

B. C. NGÔ
University of Chicago, IL, USA

E. M. OPDAM
University of Amsterdam, The Netherlands

P. SARNAK
Princeton University, NJ, USA

B. SIEBERT
Universität Hamburg, Germany

Z. SZABÓ
Princeton University, NJ, USA

A. VALETTE
Université de Neuchâtel, Switzerland

C. VOISIN
Université Pierre et Marie Curie, Paris, France

B. WILKING
Universität Münster, Germany

T. D. WOOLEY
University of Bristol, UK

https://doi.org/10.1112/S0010437X12000139 Published online by Cambridge University Press

Ownership and Publication of *Compositio Mathematica*. The journal was founded in 1934 and has been owned since 1950 by the Foundation Compositio Mathematica. The Board members of this Dutch foundation are all mathematicians; its President is Prof. J. H. M. Steenbrink of Nijmegen University. Papers are submitted to the journal's Dutch editorial office, currently based in the Korteweg–de Vries Institute at the University of Amsterdam. Since January 2004, the journal has been published on behalf of the Foundation by the London Mathematical Society (LMS). The LMS is the major British learned Society for mathematics and publishes eleven other journals, five of which are in collaboration with other learned societies. Cambridge University Press prints and distributes *Compositio Mathematica* under agreement with the London Mathematical Society.

For further information concerning the journal's ownership, management and pricing policy, please contact the *Publisher*, Dr Susan Hezlet, at the London Mathematical Society (susan.hezlet@lms.ac.uk).

Submission of Manuscripts. *Compositio Mathematica* prefers the submission of papers in LaTeX; however, papers submitted in TeX, AMSTeX, LAMSTeX and for conventional typesetting can also be accepted.

Guidelines for electronic submission are available from the Compositio Mathematica website at http://www.compositio.nl. Hard-copy submissions should be sent by post, in duplicate, to B. J. J. Moonen, *Managing Editor*, Compositio Mathematica, Korteweg–de Vries Institute, University of Amsterdam, P. O. Box 94248, NL-1090 GE Amsterdam, The Netherlands, and should be accompanied by a covering letter stating the title of the paper, the names of all authors and the full address details of the corresponding author (including an email address).

The eventual supply of an accepted-for-publication paper in its final form as a LaTeX file will ensure more rapid publication.

Instructions for the Preparation of Manuscripts can be found on the *Compositio Mathematica* website at http://www.compositio.nl and can be requested directly from the *Managing Editor* at the address given above.

Rights and Permissions. Authors are asked to assign an exclusive licence to the Foundation Compositio Mathematica for the publication of their work. Enquiries regarding rights and permission to reproduce works should be addressed to the *Publisher*, London Mathematical Society, De Morgan House, 57–58 Russell Square, London WC1B 4HS, UK.

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

Back numbers. Orders for Volume 140 onwards should be sent to Cambridge University Press. Enquiries about previous volumes should be directed to the *Publisher*, London Mathematical Society.

Typeset by Sunrise Setting Ltd, Paignton, UK.
Printed in the UK by MPG Books Ltd.

https://doi.org/10.1112/S0010437X12000139 Published online by Cambridge University Press

COMPOSITIO MATHEMATICA

VOLUME 148 NUMBER 6 NOVEMBER 2012

Wee Teck Gan and **Gordan Savin** Representations of metaplectic groups I: epsilon dichotomy and local Langlands correspondence 1655–1694

Alexander Gorodnik and **Amos Nevo** Lifting, restricting and sifting integral points on affine homogeneous varieties 1695–1716

Grigoriy Blekherman, Jonathan Hauenstein, John Christian Ottem, Kristian Ranestad and **Bernd Sturmfels** Algebraic boundaries of Hilbert's SOS cones 1717–1735

David Witt Nyström Test configurations and Okounkov bodies 1736–1756

Bhargav Bhatt Derived splinters in positive characteristic 1757–1786

Tomoyuki Arakawa and **Peter Fiebig** The linkage principle for restricted critical level representations of affine Kac–Moody algebras 1787–1810

Matilde Marcolli and **Gonçalo Tabuada** Kontsevich's noncommutative numerical motives 1811–1820

Kyungyong Lee and **Ralf Schiffler** Proof of a positivity conjecture of M. Kontsevich on non-commutative cluster variables 1821–1832

Giovanni Cerulli Irelli and **Daniel Labardini-Fragoso** Quivers with potentials associated to triangulated surfaces, Part III: tagged triangulations and cluster monomials 1833–1866

Misha Feigin and **Alexey Silantyev** Singular polynomials from orbit spaces 1867–1879

Clayton Petsche Critically separable rational maps in families 1880–1896

Werner Ballmann, Jochen Brüning and **Gilles Carron** Index theorems on manifolds with straight ends 1897–1968

Brian Collier, Ely Kerman, Benjamin M. Reiniger, Bolor Turmunkh and **Andrew Zimmer** A symplectic proof of a theorem of Franks 1969–1984

Chi Li On the limit behavior of metrics in the continuity method for the Kähler–Einstein problem on a toric Fano manifold 1985–2003

© Foundation Compositio Mathematica

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

CAMBRIDGE UNIVERSITY PRESS

LONDON MATHEMATICAL SOCIETY

https://doi.org/10.1112/S0010437X12000139 Published online by Cambridge University Press