COMPOSITIO MATHEMATICA
www.compositio.nl

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. Alternatively, 50 offprints free of charge and additional offprints can be ordered on the form which will accompany 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, Torquay, UK.
Printed in the United Kingdom at the Cambridge University Press, Cambridge.

https://doi.org/10.1112/S0010437X1000014X Published online by Cambridge University Press

COMPOSITIO MATHEMATICA

VOLUME 147 NUMBER 1 JANUARY 2011

Peng Gao and **Liangyi Zhao** One level density of low-lying zeros of families of L-functions 1–18

Ritabrata Munshi On mean values and non-vanishing of derivatives of L-functions in a nonlinear family 19–34

David Burns and **Henri Johnston** A non-abelian Stickelberger theorem 35–55

Barry Mazur and **Karl Rubin** Refined class number formulas and Kolyvagin systems 56–74

Claus Diem On the discrete logarithm problem in elliptic curves 75–104

Damien Calaque, Giovanni Felder, Andrea Ferrario and **Carlo A. Rossi** Bimodules and branes in deformation quantization 105–160

Jérémy Blanc and **Frédéric Mangolte** Geometrically rational real conic bundles and very transitive actions 161–187

O. Schiffmann and **E. Vasserot** The elliptic Hall algebra, Cherednik Hecke algebras and Macdonald polynomials 188–234

Annette Huber, Guido Kings and **Niko Naumann** Some complements to the Lazard isomorphism 235–262

Florian Herzig A Satake isomorphism in characteristic p 263–283

Christine Berkesch The rank of a hypergeometric system 284–318

Gábor Székelyhidi Greatest lower bounds on the Ricci curvature of Fano manifolds 319–331

Patrick Morton Corrigendum: On certain algebraic curves related to polynomial maps 332–334

© 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

The London Mathematical Society

https://doi.org/10.1112/S0010437X1000014X Published online by Cambridge University Press