

Journal of ALGEBRAIC GEOMETRY

Hirotschi Abo, Giorgio Ottaviani, and Chris Peterson, <i>Non-defectivity of Grassmannians of planes</i>	1
Olivier Debarre, Atanas Iliev, and Laurent Manivel, <i>On the period map for prime Fano threefolds of degree 10</i>	21
Krzysztof Kurdyka and Adam Parusiński, <i>On the non-analyticity locus of an arc-analytic function</i>	61
Hokuto Uehara, <i>A counterexample of the birational Torelli problem via Fourier–Mukai transforms</i>	77
Lorenzo Ramero, <i>Hasse-Arf filtrations in p-adic analytic geometry</i> ...	97
Elisabetta Colombo, Paola Frediani, and Giuseppe Pareschi, <i>Hyperplane sections of abelian surfaces</i>	183

JOURNAL OF ALGEBRAIC GEOMETRY

Editors

- M. BRION
Université de Grenoble I
UFR de Mathématiques
MR 5582 du CNRS
Institut Fourier, BP 74
38402 Saint-Martin d'Hères
FRANCE
- F. CATANESE
Lehrstuhl Mathematik VIII
Fakultaet Mathematik, NW II
Universitaet Bayreuth
D-95440 Bayreuth
GERMANY
- J. COATES
Department of Pure Mathematics
University of Cambridge
16 Mill Lane
Cambridge CB2 1SB
ENGLAND
- C. HACON
Department of Mathematics
University of Utah
155 South 1400 East, JWB 233
Salt Lake City, UT 84112
U.S.A.
- K. KATO
Department of Mathematics
University of Chicago
5734 University Avenue
Chicago, IL 60637
U.S.A.
- J. LI
Department of Mathematics
Stanford University
Stanford, CA 94305
U.S.A.
- S. MUKAI
Research Institute
for Mathematical Sciences
Kyoto University
Kyoto 606-8502
JAPAN
- W. SCHMID
Department of Mathematics
Harvard University
Cambridge, MA 02138
U.S.A.
- C. SOULÉ
Institut des Hautes Etudes Scientifiques
35 Route de Chartres
F-91440 Bures-sur-Yvette
FRANCE
- S. S.-T. YAU (Managing Editor)
Department of Mathematics
Statistics and Computer Science
University of Illinois at Chicago
851 South Morgan Street
M/C 249, Chicago, IL 60607-7045
U.S.A.

Associate Editors

- S. K. DONALDSON
Department of Mathematics
Huxley Building
Imperial College of Science,
Technology and Medicine
180 Queen's Gate
London SW7 2BZ
ENGLAND
- G. FALTINGS
Max Planck Institute for Mathematics
Vivatsgasse 7
53111 Bonn, GERMANY
- J. HARRIS
Department of Mathematics
Harvard University
Cambridge, MA 02138
U.S.A.
- I. M. SINGER
Department of Mathematics 2-174
Massachusetts Institute of Technology
Cambridge, MA 02139
U.S.A.

The *Journal of Algebraic Geometry*, published quarterly by University Press, Inc., is devoted to the publication of research papers in algebraic geometry, singularity theory, and related subjects such as number theory, commutative algebra, projective geometry, complex geometry, and geometric topology.

Starting with the 2002 subscription, the *Journal of Algebraic Geometry* is available in both electronic and paper delivery. List price is US\$383 for electronic + paper delivery, US\$353 for electronic only; the price for individuals is US\$160 for electronic + paper delivery, US\$140 for electronic only. Subscribers outside the United States and India must pay a postage surcharge of US\$12; subscribers in India must pay a postage surcharge of US\$19. Expedited delivery to destinations in North America US\$15; elsewhere US\$49. Subscription renewals are subject to late fees. See www.ams.org/journal-faq for more information.

Subscriptions and orders should be addressed to the American Mathematical Society, P.O. Box 845904, Boston, MA 02284-5904 USA. Telephone 1-800-321-4267, Fax (401)-331-3842. All orders must be accompanied by payment, and checks should be made payable to the American Mathematical Society. General correspondence and changes of address should be sent to the American Mathematical Society, 201 Charles Street, Providence, RI 02904-2294 USA.

Instructions for submission of manuscripts are given on the inside back cover of this issue.

© 2012 by University Press, Inc. All rights reserved

Copyright of individual articles reverts to the public domain 28 years after publication.

This journal is indexed in *Science Citation IndexTM-Expanded*, *ISI Alerting ServicesSM*, *CompuMath Citation Index[®]*, *Current Contents[®]/Physical, Chemical & Earth Sciences*.

ISSN 1056-3911

Printed in the United States of America.

⊗ The paper used in this issue is acid-free and falls within the guidelines established to ensure permanence and durability.

INFORMATION FOR AUTHORS

Submission of Manuscripts. All manuscripts should be electronically prepared in $\mathcal{A}\mathcal{M}\mathcal{S}\text{-}\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$. A PDF file of the manuscript should be sent via email to the Managing Editor or to any member of the Editorial Board. Manuscripts should be written in English. An abstract of at least one complete sentence and at most 300 words is required for every paper. The *Journal of Algebraic Geometry* offers free worldwide access to the electronic abstracts. All author names must be in First-Middle-Surname order. A manuscript accepted for publication must be typeset by the author(s) in $\mathcal{A}\mathcal{M}\mathcal{S}\text{-}\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$.

Authors should supply email addresses if available and current postal addresses, along with their affiliations, on the last page of the manuscript. To help avoid delays in publication, authors are encouraged to send changes in postal and email addresses to jag-query@ams.org, especially before proof has been sent to authors. Articles are posted after proof is returned from authors and before appearing in an issue. Once an article is posted, author information, such as postal and email addresses, cannot be updated.

To eliminate unnecessary delay or difficulties in printing, authors may be guided by the book *Mathematics into Type*, updated edition, Amer. Math. Soc., 1999.

Footnotes, except a possible acknowledgment of assistance or financial support on the first page, should be avoided by being incorporated into the text, perhaps parenthetically.

References will be published as submitted. For the best presentation, the list of references must be submitted in alphabetical-chronological order; abbreviations of names of journals and references to books should follow the standard form established by Mathematical Reviews. Abbreviations used in bibliographies are accessible from www.ams.org/msnhtml/serials.pdf. The following references are two typical examples:

- [1] R. Hartshorne, *Algebraic geometry*, Graduate Texts in Mathematics 52, Springer-Verlag, New York, Heidelberg, Berlin, 1977.
- [2] N. Hochster and J. L. Roberts, *Rings of invariants of reductive groups acting on regular rings are Cohen-Macaulay*, *Adv. Math.* **13** (1974) 115–175.

An $\mathcal{A}\mathcal{M}\mathcal{S}\text{-}\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$ author package has been prepared for the convenience of the author. The author package includes instructions for preparing electronic manuscripts, the *AMS Author Handbook*, samples, and a style file. Authors who make use of these style files from the beginning of the writing process will reduce their own effort. Comprehensive instructions on preparing graphics are available starting from www.ams.org/jourhtml/authors.html.

Authors may retrieve an author package for *Journal of Algebraic Geometry* from www.ams.org/jag/jagauthorpac.html or via FTP to [ftp.ams.org](ftp://ftp.ams.org) (login as `anonymous`, enter your complete email address as password, and type `cd pub/author-info`). The *AMS Author Handbook* and the *Instruction Manual* are available in PDF format from the author package link. The author package can also be obtained free of charge by sending email to tech-support@ams.org or from the Publication Division, American Mathematical Society, 201 Charles Street, Providence, RI 02904-2294 USA. When requesting an author package, please specify $\mathcal{A}\mathcal{M}\mathcal{S}\text{-}\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$ and the publication in which your paper will appear. Please be sure to include your complete email address.

Immediately after a paper has been accepted for publication, the electronically prepared manuscripts (.tex files) should be submitted via the web at www.ams.org/submit-book-journal/, sent via email to pub-submit@ams.org, or sent on CD to the Electronic Prepress Department, American Mathematical Society, 201 Charles Street, Providence, RI 02904-2294 USA. When submitting electronic manuscripts via email or CD, please include a message indicating that the paper has been accepted for publication in the *Journal of Algebraic Geometry*. The author should also send one hard copy of the final version of the paper to the Managing Editor.

Proofs. Authors receive only one set of proofs for corrections and will be responsible for the expense of making excessive alterations to the original manuscript during the proof-reading. Authors will be responsible for adjustments made to artwork not provided in camera-ready form.

Offprints. Offprints are provided free of charge in electronic format. A downloadable and printable PDF version of the published article will be available on the AMS website at www.ams.org/myoffprints immediately following each issue's publication date.



1056-3911(201201)21:1;1-L