

1. Record Nr.	UNINA9910151927403321
Titolo	Contributions to Algebraic Geometry [[electronic resource]] : Impanga Lecture Notes / / Piotr Pragacz
Pubbl/distr/stampa	Zuerich, Switzerland, : European Mathematical Society Publishing House, 2012
ISBN	3-03719-614-9
Descrizione fisica	1 online resource (516 pages)
Collana	EMS Series of Congress Reports (ECR) ; , 2523-515X
Classificazione	14-xx11-xx32-xx53-xx
Soggetti	Algebraic geometry Number theory Several complex variables and analytic spaces Differential geometry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	The influence of Oscar Zariski on algebraic geometry / Piotr Blass -- The geometry of T-varieties / Klaus Altmann, Nathan Ilten, Lars Petersen, Hendrik Suß, Robert Vollmert -- Introduction to equivariant cohomology in algebraic geometry / Dave Anderson -- Recent developments and open problems in linear series / Thomas Bauer, Cristiano Bocci, Susan Cooper, Sandra Di Rocco, Marcin Dumnicki, Brian Harbourne, Anders Lindquist, Hans Z. Munthe-Kaas, Alex Kuronya, Rick Miranda, Joaquim Roe, Henry K. Schenck, Tomasz Szemberg, Zach Teitler -- Moduli of map germs, Thom polynomials and the Green-Griffiths conjecture / Gergely Berczi -- The Minimal Model Program revisited / Paolo Cascini, Vladimir Lazic -- Invariants of hypersurfaces and logarithmic differential forms / Sawomir Cynk, Sawomir Rams -- Prym varieties and their moduli / Gavril Farkas -- On generalized Wronskians / Letterio Gatto, Inna Scherbak -- Lines crossing a tetrahedron and the Bloch group / Kevin Hutchinson, Masha Vlasenko -- On complex and symplectic toric stacks / Andreas Hochenegger, Frederik Witt -- Deformation along subsheaves, II / Clemens Jorder, Stefan Kebekus -- Some degenerations of G_2 and Calabi-Yau varieties / Micha Kapustka -- Notes on Kebekus' lectures on differential forms on singular spaces / Mateusz Michaek -- Lecture

notes on K3 and Enriques surfaces Notes by Sawomir Rams / Shigeru Mukai -- IMPANGA lecture notes on log canonical thresholds Notes by Tomasz Szemberg / Mircea Mustata -- On Schur function expansions of Thom polynomials / Ozer Ozturk, Piotr Pragacz -- A note on the kernel of the norm map / Marek Szyjewski -- Seshadri and packing constants / Halszka Tutaj-Gasinska.

Sommario/riassunto

The articles in this volume are the outcome of the Impanga Conference on Algebraic Geometry in 2010 at the Banach Center in Bedlewo. The following spectrum of topics is covered: K3 surfaces and Enriques surfaces; Prym varieties and their moduli; invariants of singularities in birational geometry; differential forms on singular spaces; Minimal Model Program; linear systems; toric varieties; Seshadri and packing constants; equivariant cohomology; Thom polynomials; arithmetic questions. The main purpose of the volume is to give comprehensive introductions to the above topics through texts starting from an elementary level and ending with the discussion of current research. The first four topics are represented by the notes from the minicourses held during the conference. In the articles the reader will find classical results and methods, as well as modern ones. The book is addressed to researchers and graduate students in algebraic geometry, singularity theory and algebraic topology. Most of the material exposed in the volume has not yet appeared in book form.
