

Cambridge University Press

0521646596 - New Trends in Algebraic Geometry: EuroConference on Algebraic Geometry
Warwick, July 1996

Edited by Klaus Hulek, Fabrizio Catanese, Chris Peters and Miles Reid

Table of Contents

[More information](#)

Contents

Victor V. Batyrev: Birational Calabi–Yau n -folds have equal Betti numbers	1
Arnaud Beauville: A Calabi–Yau threefold with non-Abelian fundamental group	13
K. Behrend: Algebraic Gromov–Witten invariants	19
Philippe Eyssidieux: Kähler hyperbolicity and variations of Hodge structures	71
Carel Faber: Algorithms for computing intersection numbers on moduli spaces of curves, with an application to the class of the locus of Jacobians	93
Marat Gizatullin: On some tensor representations of the Cremona group of the projective plane	111
Y. Ito and I. Nakamura: Hilbert schemes and simple singularities	151
Oliver Küchle and Andreas Steffens: Bounds for Seshadri constants	235
Marco Manetti: Degenerate double covers of the projective plane	255
David R. Morrison: The geometry underlying mirror symmetry	283
Shigeru Mukai: Duality of polarized K3 surfaces	311
Roberto Paoletti: On symplectic invariants of algebraic varieties coming from crepant contractions	327

vi *Contents*

Kapil H. Paranjape: The Bogomolov–Pantev resolution, an expository account	347
Tetsuji Shioda: Mordell–Weil lattices for higher genus fibration over a curve	359
Bernd Siebert: Symplectic Gromov–Witten invariants	375
Claire Voisin: A generic Torelli theorem for the quintic threefold	425
P.M.H. Wilson: Flops, Type III contractions and Gromov–Witten invariants on Calabi–Yau threefolds	465