

1. Record Nr.	UNINA9910300158003321
Autore	Conca Aldo
Titolo	Combinatorial Algebraic Geometry : Levico Terme, Italy 2013, Editors: Sandra Di Rocco, Bernd Sturmfels // by Aldo Conca, Sandra Di Rocco, Jan Draisma, June Huh, Bernd Sturmfels, Filippo Viviani
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-04870-8
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (VII, 239 p. 26 illus., 4 illus. in color.)
Collana	C.I.M.E. Foundation Subseries ; ; 2108
Disciplina	516.35
Soggetti	Algebraic geometry Combinatorics Commutative algebra Commutative rings Algebraic Geometry Commutative Rings and Algebras
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Koszul algebras, Koszul homology and syzygies -- Infinite-dimensional systems of polynomial equations with symmetry -- Maximum Likelihood Geometry -- Linear Toric fibrations and Cayley polytopes -- Toroidal compactifications and tropicalizations of moduli spaces.
Sommario/riassunto	Combinatorics and Algebraic Geometry have enjoyed a fruitful interplay since the nineteenth century. Classical interactions include invariant theory, theta functions, and enumerative geometry. The aim of this volume is to introduce recent developments in combinatorial algebraic geometry and to approach algebraic geometry with a view towards applications, such as tensor calculus and algebraic statistics. A common theme is the study of algebraic varieties endowed with a rich combinatorial structure. Relevant techniques include polyhedral geometry, free resolutions, multilinear algebra, projective duality and compactifications.