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Soggetti	Algebraic geometry Algebraic topology Convex geometry Discrete geometry Associative rings Rings (Algebra) Algebraic Geometry Algebraic Topology Convex and Discrete Geometry Associative Rings and Algebras
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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Solving via Modular Methods -- LazarsfeldMukai Bundles and Applications II -- Multinets in P2 -- A More General Framework for coGalois Theory -- Connectivity and a Problem of Formal Geometry -- Hodge Invariants of Higherdimensional Analogues of Kodaira Surfaces -- An Invitation to Quasihomogeneous Rigid Geometric Structures -- Koszul Binomial Edge Ideals -- On the Fundamental Groups of Non generic RJointype Curves -- Some Remarks on the Realizability Spaces of (3,4)nets -- Critical Points of Master Functions and the mKdV Hierarchy of Type A2(2) -- GaussLucas and KuoLu Theorems -- Fibonacci Numbers and Selfdual Lattice Structures for Plane Branches -- Four Generated, Squarefree, Monomial Ideals -- The Connected Components of the Space of Alexandrov Surfaces -- Motivic Milnor Fibre for Nondegenerate Function Germs on Toric Singularities -- Non

abelian Resonance: Product and Coproduct Formulas -- Complements of Hypersurfaces, Variation Maps and Minimal Models of Arrangements.

Sommario/riassunto

Algebra, geometry and topology cover a variety of different, but intimately related research fields in modern mathematics. This book focuses on specific aspects of this interaction. The present volume contains refereed papers which were presented at the International Conference “Experimental and Theoretical Methods in Algebra, Geometry and Topology”, held in Eforie Nord (near Constanta), Romania, during 20-25 June 2013. The conference was devoted to the 60th anniversary of the distinguished Romanian mathematicians Alexandru Dimca and tefan Papadima. The selected papers consist of original research work and a survey paper. They are intended for a large audience, including researchers and graduate students interested in algebraic geometry, combinatorics, topology, hyperplane arrangements and commutative algebra. The papers are written by well-known experts from different fields of mathematics, affiliated to universities from all over the word, they cover a broad range of topics and explore the research frontiers of a wide variety of contemporary problems of modern mathematics.