

1. Record Nr.	UNINA9910480118403321
Titolo	Discrete geometry and algebraic combinatorics // Alexander Barg, Oleg R. Musin, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2014 ©2014
ISBN	1-4704-1949-1
Descrizione fisica	1 online resource (190 p.)
Collana	Contemporary Mathematics, , 1098-3627 ; ; 625
Disciplina	516/.11
Soggetti	Discrete geometry Combinatorial analysis Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"AMS Special Session on Discrete Geometry and Algebraic Combinatorics, January 11, 2013".
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	""Cover""; ""Title page""; ""Contents""; ""Preface""; ""Plank theorems via successive inradii""; ""1. Introduction""; ""2. Extensions to Successive Inradii""; ""3. Proof of Theorem 2.1""; ""4. Proof of Theorem 2.2""; ""5. Proof of Corollary 2.3""; ""6. The equivalence of Conjectures 1.2, ???, ???, ???, and ???""; ""7. Conclusion""; ""References""; ""Minimal fillings of finite metric spaces: The state of the art""; ""1. Introduction: Length-Minimizing Connections""; ""2. Combinatorial Definition of Minimal Filling""; ""3. Parametric Minimal Fillings""; ""4. Realization of Minimal Filling as a Minimal Network""; ""5. Minimal Parametric Fillings and Linear Programming""; ""6. Generalized Fillings""; ""7. Formula for the Weight of Minimal Filling""; ""8. Uniqueness Problem""; ""9. Minimal Fillings of Additive and Pseudo-Additive Spaces""; ""10. Examples of Minimal Fillings""; ""11. Ratios""; ""12. Generalizations for Infinite Sets""; ""Acknowledgments""; ""References""; ""Combinatorics and geometry of transportation polytopes: An update""; ""1. Introduction""; ""2. Classical transportation polytopes (2-ways)""; ""3. Multi-way transportation polytopes""; ""4. Further research directions and more open problems""; ""Acknowledgements""; ""References""; ""A Tree Sperner Lemma""; ""1. Introduction""; ""2. A

Tree Sperner Lemma"; "3. Metric Trees and Segmentations"; "4. KKM Covers of Trees"; "5. A Fixed Point Theorem for Finite Trees"; "6. Infinite Settings"; "7. A KKM Theorem for Cycles"; "References"; "Cliques and cycles in distance graphs and graphs of diameters"; "1. Distance graphs: definitions and motivation"; "2. Graphs of diameters: definitions and motivation"; "3. What is the role of cliques and cycles in geometric graphs?"; "4. Counting cliques in distance graphs and graphs of diameters"; "5. Distance graphs with exponential chromatic numbers and without cliques or cycles"; "6. The chromatic numbers of spheres"; "7. Counterexamples to Borsuk's conjecture on spheres of small radii"; "References"; "New bounds for equiangular lines"; "1. Introduction"; "2. SDP bounds for equiangular lines"; "3. Tight spherical designs of harmonic index 4 and equiangular lines"; "References"; "Formal duality and generalizations of the Poisson summation formula"; "1. Introduction"; "2. Poisson summation formulas and duality"; "3. Examples"; "4. Structure theory in the cyclic case"; "5. Non-existence of some formal duals"; "6. Open questions"; "Acknowledgments"; "References"; "On constructions of semi-bent functions from bent functions"; "1. Introduction"; "2. Notation and preliminaries"; "3. Constructions of semi-bent functions from bent functions"; "4. Conclusion"; "References"; "Some remarks on multiplicity codes"; "1. Introduction"; "2. Multiplicity Codes";
