

1. Record Nr.	UNINA9910480084603321
Titolo	Advances in discrete and computational geometry : proceedings of the 1996 AMS-IMS-SIAM Joint Summer Research Conference, Discrete and Computational Geometry--Ten Years Later, July 14-18, 1996, Mount Holyoke College // Bernard Chazelle, Jacob E. Goodman, Richard Pollack, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [1999] ©1999
ISBN	0-8218-7814-X 0-8218-0674-2
Descrizione fisica	1 online resource (480 p.)
Collana	Contemporary mathematics, , 0271-4132 ; ; 223
Disciplina	516/.13
Soggetti	Combinatorial geometry Geometry - Data processing Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"AMS-IMS-SIAM Joint Summer Research Conference in the Mathematical Sciences 'Discrete and Computational Geometry--Ten Years Later"--T. p. verso.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Contents""; ""Preface""; ""Geometric range searching and its relatives""; ""Deformed products and maximal shadows of polytopes""; ""Flag complexes, labelled rooted trees, and star shellings""; ""Discrepancy bounds for geometric set systems with square incidence matrices""; ""Computational topology""; ""Recent progress on packing and covering""; ""Acoptic polyhedra""; ""A proof of the strict monotone 4-step conjecture""; ""Interactions between real algebraic geometry and discrete and computational geometry""; ""Open problems in the combinatorics of visibility and illumination"" ""Halving lines and perfect cross-matchings""""Three-dimensional grid drawings of graphs""; ""On polygonal covers""; ""The universality theorems for oriented matroids and polytopes""; ""Periodic and aperiodic tilings of E_n ""; ""The early years of computational geometry a personal memoir""; ""Arrangements of surfaces in higher dimensions""; ""Geometric discrepancy theory""; ""Proof of Reay's

conjecture on certain positive-dimensional intersections"; "Progress in
geometric transversal theory"; "Recent progress on polytopes";
"Appendix: Application challenges to computational geometry"
