

1. Record Nr.	UNINA9910827427103321
Autore	Zaslavsky Thomas
Titolo	Facing up to arrangements : face-count formulas for partitions of space by hyperplanes // Thomas Zaslavsky
Pubbl/distr/stampa	Providence : , : American Mathematical Society, , [1975] ©1975
ISBN	0-8218-9955-4
Descrizione fisica	1 online resource (115 p.)
Collana	Memoirs of the American Mathematical Society ; ; volume 1, issue 1, number 154 (January 1975)
Disciplina	516/.13
Soggetti	Combinatorial geometry Combinatorial enumeration problems Lattice theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Volume 1, issue 1." Substantially the author's thesis, Massachusetts Institute of Technology.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""3. Quick proofs (Eulerian method)""""AB. Proof of the whole-space cases""; ""C. The bounded case and the bounded space""; ""4. The long proofs (Tutte-Grothendieck method)""; ""A. Proof of the Euclidean case""; ""B. Proof of the projective case""; ""C. Proof of the bounded case""; ""5. A collocation of corollaries""; ""A. The Euler relations proved""; ""B. More counting relations""; ""C. Enumeration in the classical style""; ""D. Unbounded faces""; ""E. Back to Buck: arrangements made simple""; ""F. Winder's Theorem and threshold functions""; ""6 Points and zonotopes"" ""A. Placing hyperplanes between points""""B. The faces of zonotopes""; ""PART II. A STUDY OF EUCLIDEAN ARRANGEMENTS WITH PARTICULAR REFERENCE TO BOUNDED FACES""; ""7. The beta theorem. Theorem D""; ""8. The central decomposition. Theorem E""; ""A. Appendix on spanning sets of coatoms""; ""9. The dimension of the bounded space""; ""References""; ""Index of symbols""