1. Record Nr. UNINA9910438146403321

Titolo	Distance geometry : theory, methods, and applications / / Antonio Mucherino ... [et al.]
Pubbl/distr/stampa	New York, : Springer, 2013
ISBN	1-283-94528-2 1-4614-5128-0
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (426 p.)
Altri autori (Persone)	MucherinoAntonio
Disciplina	514.3
Soggetti	Distance geometry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Theory -- pt. 2. Methods -- pt. 3. Applications to protein conformations.
Sommario/riassunto	Distance Geometry: Theory, Methods, and Applications is the first collection of research surveys dedicated to distance geometry and its applications. The first part of the book discusses theoretical aspects of the Distance Geometry Problem (DGP), where the relation between DGP and other related subjects are also presented. Covered topics include distance matrix theory, Euclidean distance matrix completion, multispherical structure of distance matrices, geometric algebra, algebraic distance geometry theory, visualization of K-dimensional structures in the plane, graph rigidity, and theory of discretizable DGP. The second part of this volume presents mathematical and computational properties of methods developed to the problems discussed in the first portion, including continuous methods (based on Gaussian and hyperbolic smoothing, difference of convex functions, semidefinite programming, branch-and-bound), discrete methods (based on branch-and-prune, geometric build-up, graph rigidity), and also heuristics methods (based on simulated annealing, genetic algorithms, tabu search, variable neighborhood search). Applications comprise the third part of the book, which is mainly devoted to the application of DGP to NMR structure calculation. This is an important and strongly multidisciplinary application in biology and biomedicine.

2. Record Nr. UNINA9910703394603321

Autore	Colfer Eoin
Titolo	Airman
Pubbl/distr/stampa	New York, : Listening Library, 2007 [Washington, D.C.] : , : U.S. Air Force, , [2007]
ISBN	0-7393-6127-9
Edizione	[2nd. ed.]
Descrizione fisica	1 online resource (360 pages) : illustrations (some color), color maps
Collana	AF handbook ; ; 1
Classificazione	YAF001000YAF019040YAF064000
Altri autori (Persone)	KeatingJohn
Soggetti	Young Adult Fiction Fantasy Historical Fiction Travel Literature Handbooks and manuals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Feb. 24, 2012). "Feb 2007."
Sommario/riassunto	Conor Broekhart was born to fly. In fact, legend has it that he was born flying, in a hot air balloon at the Paris World's Fair. In the 1890s Conor and his family live on the sovereign Saltee Islands, off the Irish coast. Conor spends his days studying the science of flight with his tutor and exploring the castle with the king's daughter, Princess Isabella. But the boy's idyllic life changes forever the day he discovers a deadly conspiracy against the king. When Conor tries to intervene, he is branded a traitor and thrown into jail on the prison island of Little Saltee. There, he has to fight for his life, as he and the other prisoners are forced to mine for diamonds in inhumane conditions. There is only one way to escape Little Saltee, and that is to fly. So Conor passes the solitary months by scratching drawings of flying machines on the prison walls. The months turn into years; but eventually the day comes when Conor must find the courage to trust his revolutionary designs and take to the skies.