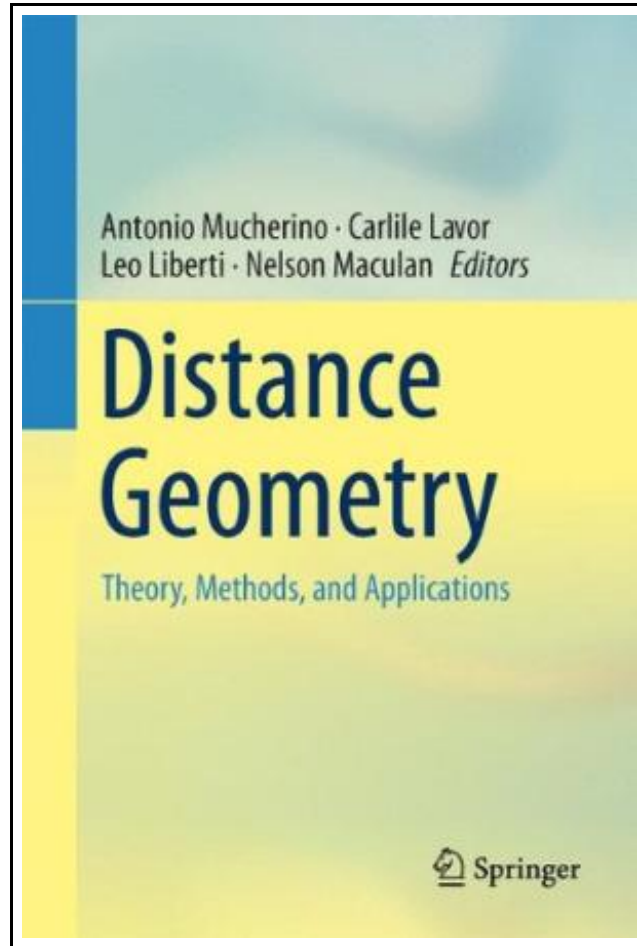


Distance Geometry: Theory, Methods, and Applications



Filesize: 1.97 MB

Reviews

A really wonderful book with lucid and perfect reasons. This can be for all who statte there was not a worth reading through. You are going to like how the author write this book.
(Dr. Grady Jacobi DDS)

DISTANCE GEOMETRY: THEORY, METHODS, AND APPLICATIONS



Springer. Hardcover. Book Condition: New. Hardcover. 420 pages. Dimensions: 9.2in. x 6.1in. x 1.1in. This volume is a collection of research surveys on the Distance Geometry Problem (DGP) and its applications. It will be divided into three parts: Theory, Methods and Applications. Each part will contain at least one survey and several research papers. The first part, Theory, will deal with theoretical aspects of the DGP, including a new class of problems and the study of its complexities as well as the relation between DGP and other related topics, such as: distance matrix theory, Euclidean distance matrix completion problem, multispherical structure of distance matrices, distance geometry and geometric algebra, algebraic distance geometry theory, visualization of K-dimensional structures in the plane, graph rigidity, and theory of discretizable DGP: symmetry and complexity. The second part, Methods, will discuss mathematical and computational properties of methods developed to the problems considered in the first chapter 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 will comprise the third part and will consider applications of DGP to NMR structure calculation, rational drug design, molecular dynamics simulations, graph drawing and sensor network localization. This volume will be the first edited book on distance geometry and applications. The editors are in correspondence with the major contributors to the field of distance geometry, including important research centers in molecular biology such as Institut Pasteur in Paris. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Hardcover.



[Read Distance Geometry: Theory, Methods, and Applications Online](#)



[Download PDF Distance Geometry: Theory, Methods, and Applications](#)

Other PDFs



Summer Fit Preschool to Kindergarten Math, Reading, Writing, Language Arts Fitness, Nutrition and Values

Summer Fit Learning. Paperback. Book Condition: New. Paperback. 160 pages. Dimensions: 10.6in. x 8.3in. x 0.5in. Summer Fit Activity Books move summer learning beyond academics to also prepare children physically and socially for the grade ahead....

[Read ePub »](#)



Shepherds Hey, Bfms 16: Study Score

Petrucci Library Press. Paperback. Book Condition: New. Paperback. 22 pages. Dimensions: 9.4in. x 7.1in. x 0.0in. Percy Grainger, like his contemporary Bela Bartok, was intensely interested in folk music and became a member of the English...

[Read ePub »](#)



DK Readers Invaders From Outer Space Level 3 Reading Alone

DK CHILDREN. Paperback. Book Condition: New. Paperback. 48 pages. Dimensions: 8.9in. x 5.9in. x 0.1in. Are aliens from other planets visiting Earth Read these amazing stories of alien encounters -- and make up your own mind!...

[Read ePub »](#)



DK Readers Animal Hospital Level 2 Beginning to Read Alone

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.9in. x 5.8in. x 0.1in. This Level 2 book is appropriate for children who are beginning to read alone. When Jack and Luke take an injured...

[Read ePub »](#)



Scholastic Discover More My Body

Scholastic Reference. Hardcover. Book Condition: New. Hardcover. 32 pages. Dimensions: 9.1in. x 7.7in. x 0.6in. Scholastic Discover More is a revolutionary new nonfiction line pairing stunning print books with corresponding interactive digital books that extend the...

[Read ePub »](#)

**Eagle Song Puffin Chapters**

Puffin. Paperback. Book Condition: New. Dan Andreasen (illustrator). Paperback. 80 pages. Dimensions: 7.6in. x 4.9in. x 0.3in. A contemporary middle grade story about confronting bullying and prejudice Danny Bigtrees family has moved to Brooklyn, New York,

[Read Book »](#)

**The Gosh Awful Gold Rush Mystery Real Kids, Real Places**

Gallopade International. Paperback. Book Condition: New. Paperback. 146 pages. Dimensions: 7.4in. x 5.3in. x 0.6in. When you purchase the Library Bound mystery you will receive FREE online eBook access! Carole Marsh Mystery Online eBooks are an

[Read Book »](#)

**The Birds Christmas Carol**

Digireads.com. Paperback. Book Condition: New. Paperback. 34 pages. Dimensions: 7.8in. x 4.8in. x 0.3in. Kate Douglas Wiggin (1856-1923) was an important reformer of childrens education at the turn of the century. During a period when childrens

[Read Book »](#)

**A Sea Symphony - Study Score**

Petrucci Library Press. Paperback. Book Condition: New. Paperback. 324 pages. Dimensions: 9.6in. x 6.7in. x 0.7in. Vaughan Williams conducted the first performance of his great choral symphony on his 38th birthday, October 12, 1910, at the

[Read Book »](#)

**DK READERS Pirates Raiders of the High Seas**

DK CHILDREN. Paperback. Book Condition: New. Paperback. 48 pages. Dimensions: 8.8in. x 5.9in. x 0.2in. Meet Pirates who got away with murder... and pirates who died in the hangmans noose! These 48-page books about

[Read Book »](#)