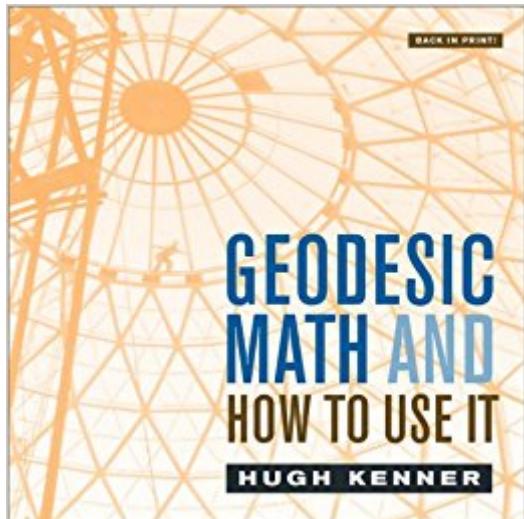


The book was found

# Geodesic Math And How To Use It



## Synopsis

It was 1976&#151;twenty-five years after R. Buckminster Fuller introduced geodesic domes when literary critic Hugh Kenner published this fully-illustrated practical manual for their construction. Now, some twenty-five years later, Geodesic Math and How to Use It again presents a systematic method of design and provides a step-by-step method for producing mathematical specifications for orthodox geodesic domes, as well as for a variety of elliptical, super-elliptical, and other nonspherical contours. Out of print since 1990, Geodesic Math and How To Use It is California's most requested backlist title. This edition is fully illustrated with complete original appendices.

## Book Information

Paperback: 183 pages

Publisher: University of California Press; 2nd ed. edition (October 20, 2003)

Language: English

ISBN-10: 0520239318

ISBN-13: 978-0520239319

Product Dimensions: 8.8 x 0.5 x 8.8 inches

Shipping Weight: 5.6 ounces (View shipping rates and policies)

Average Customer Review: 4.1 out of 5 starsÂ  See all reviewsÂ  (19 customer reviews)

Best Sellers Rank: #459,113 in Books (See Top 100 in Books) #143 inÂ  Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > House Plans #180 inÂ  Books > Engineering & Transportation > Engineering > Reference > Architecture > Methods & Materials #270 inÂ  Books > Arts & Photography > Architecture > Landscape

## Customer Reviews

Seemed over-technical at 1st, but after about a year has been my reference book on geodesics & making all kinds of geodesic domes... It lists chord factors (lengths of segments before applying radius of dome) on tables to 7 decimals for various domes @ the end of the book if you don't want do calculate w/formulas provided. If your familiar with trigonometry, it will let you jump around chapters that are of more interest. This book was originally copyrighted in 1976, but not edited for this 2nd paperback 2003 Edition (glossy color cover). The author, Hugh Kenner (1923-2003), has compiled a very thorough book. Very well written & explained in orderly fashion with excellent general layout & (especially for the time) detailed diagrams plus cross page-references. IMO there is very little that I would change except for replacing current diagrams with modern CAD generated illustrations, that's about it. Has 172 pages with several blank pages for notes (I note in the wide

margins instead) & is 8.7 x 8.7 x 0.5 inches. Not a small book but not a big bulky one either. Makes for a lot of information handy to store just about anywhere...

---

I found many formulas & shortcuts throughout the book. From Chapter 12 I plotted a 16 frequency (# of divisions making total # of triangles) icosahedron (the typical geodesic polyhedron shape) dome with 3880 chords or "struts". Even made them into arcs for a perfectly round sphere. Chapter 12 has "Using the Tables" with a simple symmetric triangle xyz-grid on a spreadsheet. Each chord calculated does not rely on another chord's result, so chance of error is greatly reduced.

[Download to continue reading...](#)

Geodesic Math and How to Use It Math Bafflers, Book 1: Logic Puzzles That Use Real-World Math, Grades 3-5 Cool Paper Folding: Creative Activities That Make Math & Science Fun for Kids!: Creative Activities That Make Math & Science Fun for Kids! (Cool Art with Math & Science) Math For Everyone Combo Book Hardcover: 7th Grade Math, Algebra I, Geometry I, Algebra II, Math Analysis, Calculus Math in Focus: Student Workbook 2A (Math in Focus: Singapore Math) How to Use a Dictionary/How to Use a Thesaurus: 48 Fun Activities for Students Learning Dictionary and Thesaurus Ready-to-Use Illustrations of World-Famous Places: 109 Different Copyright-Free Designs Printed One Side (Dover Clip Art Ready-to-Use) Ready-to-Use Celtic Designs: 96 Different Royalty-Free Designs Printed One Side (Dover Clip Art Ready-to-Use) Ready-to-Use Old-Fashioned Patriotic Cuts (Dover Clip Art Ready-to-Use) Chemistry for Use with the International Baccalaureate : Standard Level: For Use with the IB Diploma Programme: Standard Level: Paperback + Student Cd-rom + Website Doing Math with Python: Use Programming to Explore Algebra, Statistics, Calculus, and More! 100 Math Brainteasers (Grade 7, 8, 9, 10). Arithmetic, Algebra and Geometry Brain Teasers, Puzzles, Games and Problems with Solutions: Math olympiad contest problems for elementary and middle schools Poker Math: Simple and Basic Poker Math to Help You Crush the Competition, Pile Up Money and Feel Like a Professional Poker Player Math Triumphs, Grade 4, Student Study Guide, Book 1: Number and Operations and Algebra (MATH INTRVENTION K-5 (TRIUMPHS)) Super Sudoku Math: Fractions & Decimals: 40+ Reproducible Puzzles that Motivate Students to Practice and Master Key Math Skills, Grades 3-6 Barron's ACT Math and Science Workbook, 2nd Edition (Barron's Act Math & Science Workbook) Memory Tips for Math, Memorization and Learning Styles: The Successful Way to Teach K-5 Math Secrets of Mental Math: The Mathemagician's Guide to Lightning Calculation and Amazing Math Tricks For the Rising Math Olympians: The Ultimate Handbook for Winning Math Competitions in

Elementary and Middle School 100 Worksheets - Find Predecessor and Successor of 3 Digit Numbers: Math Practice Workbook (100 Days Math Number Between Series) (Volume 3)

[Dmca](#)