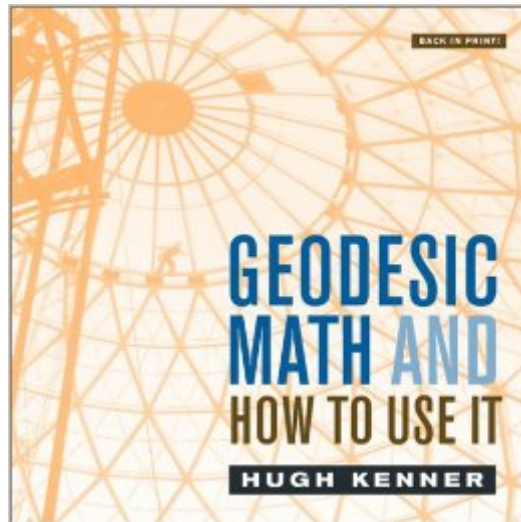


The book was found

# Geodesic Math And How To Use It



## Synopsis

It was 1976; 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

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Average Customer Review: 4.1 out of 5 stars [See all reviews](#) (19 customer reviews)

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## 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...

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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.

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