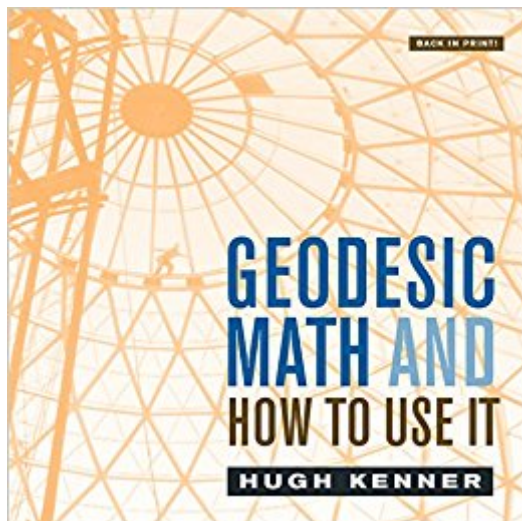


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# Geodesic Math And How To Use It



## 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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## Customer Reviews

Hugh Kenner (1923-2003) was Professor Emeritus of English at the University of Georgia. He is the author of dozens of well-known and highly regarded books of literary criticism, and is also the author of *Bucky: A Guided Tour of Buckminster Fuller* (1973).

Hugh Kenner's book is the bible of geodesy. While other books provide you with tables and some of the rudiments of the theory of geodesic domes, 'Geodesic Math and How to Use it' gives you a first-principle look at how domes are developed from a mathematical/geometrical point of view. Most importantly, Kenner introduces the reader to a novel metric for both describing the location of geodesic points in space and calculating their exact positions, so you can develop your own chord factors rather than relying on tables without understanding the underlying math.

It is one thing to follow instructions for a model. With this book and some math skills, you can create basically any geodesic structure you can think up! I was no math whiz in school, but this book was clear enough in its presentation that I was able to teach myself spherical trig. I didn't say it was easy-- notice the word "easy" is not in the book's title-- but it is clear and well presented. I recommend a programmable calculator, as the equation you finally reach is a monster. But here, at last, the mystery of where those chord factors originate is revealed. Essential reading for any geodesic buff.

This book was delivered on time, in good shape and was exactly what its seller described. The math is intimidating, but accessible. I fully intend to use it.

When I first received the book, I thought Buy-Your-Books sent me the wrong book. Apparently, I received a 1976 copy (No UPC code). As long as the content is the same, I'm not too concerned, for this purchase (hint, hint). The content seems helpful, and the formulas are well-explained. However, as I don't own an HP-65 calculator, I'll have to figure my own way to enter formulae in later calculators, or maybe an Excel spreadsheet. I hope the later revisions circulating about address this, somehow. Ask your vendors if the version of this book has an orange cover or the one shown on to be sure you're getting a later version, and ask if included programming and/or tables are updated as well.

I don't like to spend money on information that I can get for free. I found plenty of free information about geodesics on the web, but not enough. I'm glad I spent the cash. This book filled in all the gaps. It is not for people with weak math skills. The book seems confusing at first, but if you keep reading and studying you will be rewarded with a deeper understanding of geodesics than you can imagine. This book is a "must have" for anyone who wants to build their own dome, or just learn more about geodesics. And yes, it's worth learning the math skills to understand this book.

If you want to generate your own numbers for all the multitude of measurements, as I do, this book is indispensable.

I was looking for a source of chord lengths for various frequency geodesic domes. This book does this in spades. With all of the variations covered the book may be too involved for what I need. It

reads like a textbook and does cover the subject well, from what I've read so far. If you have a question concerning geodesics it will be found in this book. Illustrating is also done well. As a source book it is excellent, if not a bit difficult to read.

An entire education on a very advanced subject

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