## How to Fold It: The Mathematics of Linkages, Origami and Polyhedra



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## Reviews

An extremely wonderful ebook with lucid and perfect explanations. I was able to comprehended almost everything using this composed e publication. It is extremely difficult to leave it before concluding, once you begin to read the book. (Kimberly Carroll)

## HOW TO FOLD IT: THE MATHEMATICS OF LINKAGES, ORIGAMI AND POLYHEDRA



Cambridge University Press. Paperback. Book Condition: New. Paperback. 190 pages. Dimensions: 8.9in. x 5.9in. x 0.8in.What do proteins and pop-up cards have in common How is opening a grocery bag different from opening a gift box How can you cut out the letters for a whole word all at once with one straight scissors cut How many ways are there to flatten a cube You can answer these questions and more through the mathematics of folding and unfolding. From this book, you will discover new and old mathematical theorems by folding paper and find out how to reason toward proofs. With the help of 200 color figures, author Joseph ORourke explains these fascinating folding problems starting from high school algebra and geometry and introducing more advanced concepts in tangible contexts as they arise. He shows how variations on these basic problems lead directly to the frontiers of current mathematical research and offers ten accessible unsolved problems for the enterprising reader. Before tackling these, you can test your skills on fifty exercises with complete solutions. The books Web site, http: www. howtofoldit. org, has dynamic animations of many of the foldings and downloadable templates for readers to fold or cut out. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.

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