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Polyhedra Primer

By Peter Jon Pearce, Professor Susan Pearce

Createspace, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Here is a lucid thoughtful guide to understanding the structure and organization of three-dimensional space. In 250 captioned drawings this book brilliantly communicates the beauty and geometry of polyhedra. Beginning with polygons and tessellations. It proceeds in a logical sequence to finite polyhedra, dual polyhedra, space filling, and open packings. Important considerations of symmetry, periodic and uniform patterns, and regular and semiregular forms are presented. Because the understanding of polyhedra is enhanced by the manipulation of models, a chapter on both two- and three-dimensional constructions is included. This uniquely valuable reference work will be welcomed by designers, architects, mathematicians, and scientists who are interested in a graphic, yet rigorous, presentation of form and spatial options. This little book will be a delightful addition to the libraries of those readers who are entranced by the intriguing subject of polyhedra.



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