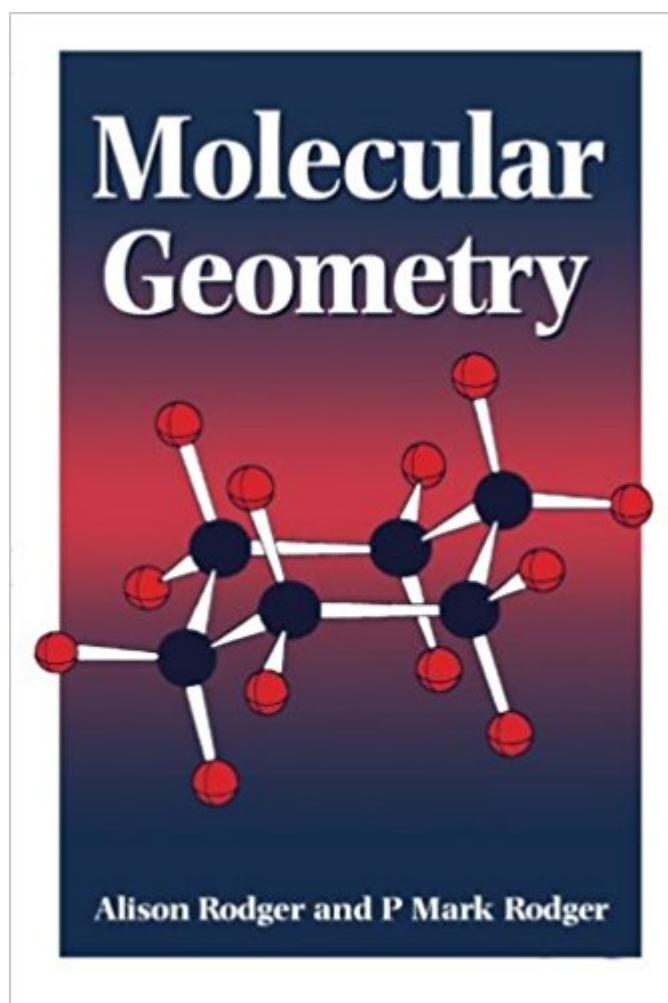


The book was found

Molecular Geometry



Synopsis

The underlying principles that govern the shape or shapes adopted by any given molecule are examined in this book. Its main focus is on the arrangement of atoms about a single atom. This text is suitable for second and third year chemistry and chemical engineering students and industrial chemists.

Book Information

Paperback: 202 pages

Publisher: Butterworth-Heinemann (March 3, 1995)

Language: English

ISBN-10: 0750622954

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Product Dimensions: 6.2 x 0.5 x 9.2 inches

Shipping Weight: 13.6 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ See all reviewsÂ (1 customer review)

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Customer Reviews

This review compares the five major SPECIALTY texts purchased by our Library Clients in the area of Molecular Bonding and Geometry. These five represent the most frequently acquired titles by university and graduate libraries, not public libraries. These exclude both general chem and p chem texts and small journal monographs on one narrow area. We recommend all five of these to our library buyers for different reasons. First, if you're studying bonding and molecular geometry, don't feel like you are dumb if it seems like a very tough subject. First, the field is rapidly changing from the old thermodynamic models to quantum models, and THE MAJORITY OF THIS FIELD IS NOT YET WELL UNDERSTOOD, EVEN BY EXPERTS. If you started learning shells and basic molecular geometry, and suddenly were asked to throw all that out and think in terms of probability sims and orbital clouds and shapes ala Schrodinger, you get my point! Most of the old "taxonomies" of chemical geometry are now being redone in this light, and none are near complete. We only understand the tip of the iceberg in how structure relates to FUNCTION today. When an inventor makes a great discovery and has to describe it to colleagues, you often hear things like the word

"intuition." Translate that as decades of experience that led the investigator to correctly "surmise" structure from function or vice versa, as the full functional complexity of bonding geometries are still even beyond supercomputing, although we're trying. If the investigator "saw" or deduced a reaction product or structure, it often comes down to a non-database function called experience.

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