

Structure of Molecules and Internal Rotation

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Book Description

Structure of Molecules and Internal Rotation is a comprehensive guide to the fundamental principles of molecular structure and internal rotation. This essential reference provides a detailed examination of the geometric and electronic structures of molecules, along with a thorough analysis of the internal rotations that occur within them.

With a focus on both classical and quantum mechanical approaches, the book covers a wide range of topics, including:



Structure of Molecules and Internal Rotation: Physical Chemistry: A Series of Monographs by Robert Koger

★★★★★ 5 out of 5

Language : English

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Screen Reader: Supported

Print length : 264 pages



- The Born-Oppenheimer approximation
- Molecular symmetry and group theory
- Electronic structure of atoms and molecules
- Molecular orbitals and molecular bonding

- Vibrational and rotational spectroscopy
- Nuclear magnetic resonance (NMR) spectroscopy
- Mass spectrometry
- Electron diffraction

Structure of Molecules and Internal Rotation is an indispensable resource for students, researchers, and professionals in chemistry, physics, and biochemistry. Its clear explanations, detailed illustrations, and extensive references make it a valuable addition to any library.

Audience

Structure of Molecules and Internal Rotation is written for a broad audience, including:

- Students of chemistry, physics, and biochemistry
- Researchers in molecular science and related fields
- Professionals in the pharmaceutical, chemical, and biotechnology industries
- Anyone with an interest in the fundamental principles of molecular structure

Author Biography

[Author Name] is a renowned expert in molecular structure and internal rotation. With over [Number] years of experience in the field, he has published extensively on topics such as molecular spectroscopy, quantum chemistry, and computational chemistry.

[Author Name] is a professor of chemistry at [University Name], where he teaches courses in molecular structure, spectroscopy, and quantum mechanics. He is also a member of the American Chemical Society and the Royal Society of Chemistry.

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