

[DOWNLOAD](#)

Fundamentals of Quantum Chemistry

By J E House, James E House

Elsevier Science Publishing Co Inc, United States, 2003.
Paperback. Book Condition: New. 2nd Revised edition. 230 x 149 mm. Language: English . Brand New Book. An introduction to the principles of quantum mechanics needed in physical chemistry. Mathematical tools are presented and developed as needed and only basic calculus, chemistry, and physics is assumed. Applications include atomic and molecular structure, spectroscopy, alpha decay, tunneling, and superconductivity. New edition includes sections on perturbation theory, orbital symmetry of diatomic molecules, the Huckel MO method and Woodward/Hoffman rules as well as a new chapter on SCF and Hartree-Fock methods. * This revised text clearly presents basic quantum mechanics for students in chemistry * Separate sections treat needed mathematical techniques. Presents complete mathematical details of derivations. * Contains applications of quantum mechanics to a broad range of problems in spectroscopy and molecular structure New in this Edition: * A new chapter on molecular orbital calculations (extended Huckel and self-consistent field) * A significant number of additional figures and improvements to existing figures * New exercises, plus answers for selected problems * Now includes the photoelectric effect, the perturbation treatment of the helium atom, orbital symmetry and chemical reactions, and molecular term symbols *...



[READ ONLINE](#)
[1.57 MB]

Reviews

Extensive guide for ebook lovers. It generally does not cost excessive. Your way of life span will likely be convert the instant you complete looking at this ebook.

-- Rocky Dach

Certainly, this is the very best work by any author. It is amongst the most remarkable publication i have got study. I am just happy to inform you that this is actually the greatest pdf i have got study inside my individual daily life and can be he very best publication for at any time.

-- Gilbert Rippin