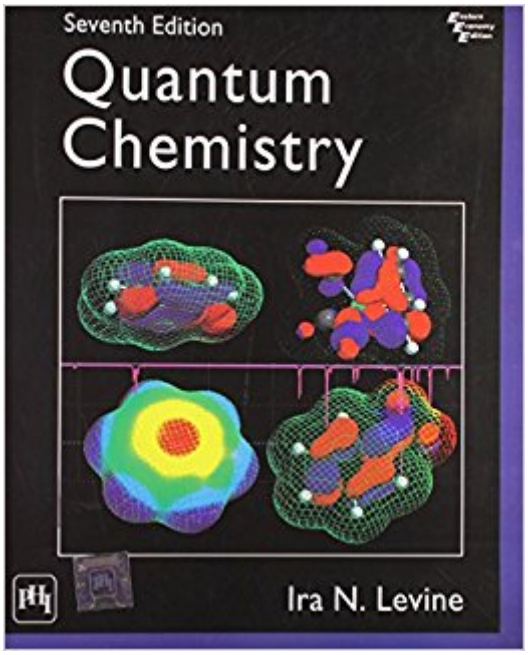
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Known for its solid presentation of mathematics, this bestseller is a rigorous but accessible introduction to both quantum chemistry and the math needed to master it. Quantum chemistry, seventh edition covers quantum mechanics, atomic structure, and molecular electronic structure, and provides a thorough, unintimidating treatment of operators, differential equations, simultaneous linear equations, and other areas of required math. Practical for readers in all branches of chemistry, the new edition reflects the latest quantum chemistry research and methods of computational chemistry, and clearly demonstrates the usefulness and limitations of current quantum-mechanical methods for the calculation of molecular properties.

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Levine’s Quantum Chemistry is one of the best books to understand quantum chemistry. It provides

a rigorous foundation for students pursuing a career in theoretical chemistry. Once a student finishes reading this book, he or she can quicklyÃƒÂ¢Ã â ¬Ã â go to the more specialized books like Szabo and Ostlund's Modern Quantum Chemistry.

"Quantum Chemistry" takes on a complex and esoteric subject and does the best introduction that I have read yet. There are numerous mathematical examples that follow the theory. I know that readers will always want more of actual usage and linking to give this area real relevance, as I did. But, this is the best that is available for the present, and for the last two decades.You will have to use your imagination and intuition to complete the story. But, if you are a practicing scientist, as I am, that won't be hard to do, just time consuming. There is a whole new field of materials integration that is emerging using the idea of convergent materials that have the properties of all the invested contents. Look into flexible glass plates, the ancients did it so we must be able to surpass their efforts, ceramic magnetic shields, guess who again and others.

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