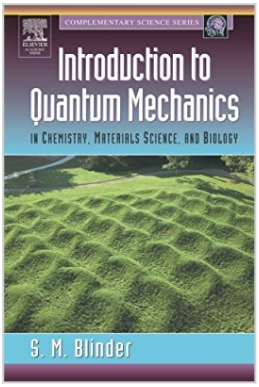

Introduction to Quantum Mechanics: in Chemistry, Materials Science, and Biology (Complementary Science)

By Sy M. Blinder

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Introduction to Quantum Mechanics provides a lucid, up-to-date introduction to the principles of quantum mechanics at the level of undergraduates and first-year graduate students in chemistry, materials science, biology and related fields. It shows how the fundamental concepts of quantum theory arose from classic experiments in physics and chemistry, and presents the quantum-mechanical foundations of modern techniques including molecular spectroscopy, lasers and NMR.

Blinder also discusses recent conceptual developments in quantum theory, including Schrödinger's Cat, the Einstein-Podolsky-Rosen experiment, Bell's theorem and quantum computing.

- Clearly presents the basics of quantum mechanics and modern developments in the field
- Explains applications to molecular spectroscopy, lasers, NMR, and MRI
- Introduces new concepts such as Schrödinger's Cat, Bell's Theorem, and quantum computing
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- Sales Rank: #1807729 in Books
- Published on: 2004-06-21
- Released on: 2004-06-07
- Original language: English
- Number of items: 1
- Dimensions: 9.00" h x .83" w x 6.00" l, 1.33 pounds
- Binding: Paperback
- 319 pages

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Review

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About the Author
By Dr. Sy L. Blinder

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