



## Quantum Mechanics For Engineering: Materials Science and Applied Physics

By Kroemer, Herbert

Prentice Hall, 1994. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: 1. Wave-Particle Duality and Schroedinger Equation. 2. Introduction to Bound States. 3. Rotationally Invariant Potentials: Hydrogen Atom and Beyond. 4. Wave Packets and Uncertainty Relations. 5. Scattering by Simple Barriers. 6. WKB Approximations. 7. Expectation Values and Operators. 8. Electrons in a Magnetic Field. 9. Beyond Hermitian Operators. 10. Harmonic Oscillator: Full Operator Treatment. 11. Composite Systems. 12. Variational Principle. 13. Expansion Principle and Matrix Formulation. 14. Perturbation Theory, I: "Degenerate" Perturbation Theory. 15. Perturbation Theory, II: "Non-Degenerate" Perturbation Theory. 16. Symmetry. 17. Electrons in Periodic Crystal Potentials. 18. Rotational Invariance and Angular Momentum. 19. Time-Dependent Perturbation Theory. 20. Elements of Field Quantization. 21. Electron Spin. 22. Indistinguishable Particles: Fermions and Bosons. Appendices: Dirac d-Function. Poisson-Distributed Events. Spherical Harmonics. Hydrogen Radial Eigenfunctions. Fourier Integral. Construction of Two Group Character Tables. Selected General References. Fundamental Constants. Index.



## Reviews

The ebook is simple in go through better to fully grasp. It is actually rally exciting through reading through period. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- Alexander Jacobi

This is basically the very best publication i actually have go through until now. It really is loaded with knowledge and wisdom I realized this publication from my i and dad encouraged this publication to discover.

-- Bryana Klocko III