Quantum Physics (Ackland)

https://www2.ph.ed.ac.uk/~gja/qp/

- Front Matter

- 1: Summary of things you should already know
2: Time-Independent Non-Degenerate Perturbation Theory

• 3: Dealing with Degeneracy

• 4: Degeneracy, Symmetry, and Conservation Laws

• 5: Time-Dependence
6: Two-State Systems

7: Hydrogen Ion and Covalent Bonding

8: The Variational Principle

9: Indistinguishable Particles and Exchange
10: Self-consistent field theory

11: Fundamentals of Quantum Scattering Theory

12: Scattering in Three Dimensions

13: Further Concepts in Quantum Scattering Theory
14: Using Partial Waves

15: The Quantum Mechanics Nobody Really Understands

16: Exercises

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