Book: Quantum Mechanics (Fowler)

These notes cover the essential core topics of a standard graduate quantum mechanics course. The first lectures here review undergraduate quantum and modern physics as a reminder, this optional material was only covered briefly in class.

- Front Matter

1: Reviewing Elementary Stuff
\[ e^{i\pi} + 1 = 0 \]

2: Some Essential Math

3: Mostly 1-D Quantum Mechanics

4: Angular Momentum, Spin and the Hydrogen Atom

5: Interlude - The Nature of Electrons
6: Charged Particle in Magnetic Field

7: The Density Matrix

8: Approximate Methods

9: Perturbation Theory
10: Scattering Theory

11: Other Material

Back Matter

Contributors and Attributions

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