

## CHAPTER OVERVIEW

### 5: Some Exactly Solvable Problems

The objective of this chapter is to describe several relatively simple but very important applications of the bra-ket formalism, including a few core problems of wave mechanics we have already started to discuss in Chapters 2 and 3.

[5.1: Two-level Systems](#)

[5.2: The Ehrenfest Theorem](#)

[5.3: The Feynman Path Integral](#)

[5.4: Revisiting Harmonic Oscillator](#)

[5.5: Glauber States and Squeezed States](#)

[5.6: Revisiting Spherically-symmetric Problems](#)

[5.7: Spin and Its Addition to Orbital Angular Momentum](#)

[5.8: Exercise Problems](#)

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