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Modern Quantum Mechanics, 2nd Edition. J. J. Sakurai, (Late) University of California, Los Angeles. Jim J. Napolitano, Rensselaer Polytechnic Institute. The Second Edition has been updated for currency and consistency across all topics and has been checked for the right amount of mathematical rigor. Features. The author was a noted theorist in particle physics and was well known in his area of expertise. New to This Edition. The chapter on scattering theory (Chapter 6 in this edition) is completely reorganized, with a new introduction based on time dependent perturbation theory. Explicit solutions to the Schrödinger Wave Equation have been added, including the linear potential, the simple harmonic oscillator using generating functions, and the