

Department of Physics Engineering

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Quantum Mechanics—Revised Version—[in Japanese], Y. Abe: Mie University Press, Mie, 2004.

The contents are divided into four sections. The first section entitled "Fundamental Structure of Quantum Theory" consists of explanation on "Experimental Background" and "Discussion of Measurement", *etc.* The second section entitled "Canonical Quantization and Equation of Motion" consists of explanation on "Schrodinger Theory" and "Heisenberg Theory", *etc.* The third section entitled "Quantized System in Stationary States" consists of explanation on "Harmonic Oscillator" and "Hydrogen Atom", *etc.* The fourth section entitled "Approximation Methods" consists of explanation on "Perturbation Theories" and "Semiclassical Approximation", *etc.*