

PHY-511: Quantum Mechanics I

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Outline

1. Perspective in QM
2. Formalism of QM
3. Time Evolution
4. QM in 1-dimension
5. Coherent States
6. WKB and Instantons
7. Path Integrals
8. Gauge-Invariance
9. EPR and Bell Inequalities

Reference Material

J. Sakurai, Modern Quantum Mechanics, ed. Addison Wesley

Grade

The grade will be : Hw (1/3) + Mid (1/3) + Fin (1/3)

Grader

Bathutan Baserdem