

Abstract Submitted
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Principles and Dynamics of Quantum Mechanics SPYROS
EFTHIMIADES, Fordham University — Quantum mechanics can be founded on
three principles: particle waves, concurrent states and averaged energy relations.
The Schrodinger, time-evolution and Dirac equations are derived to be the condi-
tions the wavefunction must satisfy in order to fulfill the corresponding averaged
energy relations. Adopting a particle and wave balanced approach we attain a clear,
consistent and justified quantum theory.

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