

Abstract Submitted  
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**Quantum mechanics using Fradkin's representation**<sup>1</sup> K. V. SHAJESH, KIMBALL MILTON, University of Oklahoma — Fradkin's representation is a general method of attacking problems in quantum field theory, having as its basis the functional approach of Schwinger. As a pedagogical illustration of that method, we explicitly formulate it for quantum mechanics (field theory in one dimension) and apply it to the solution of Schrodinger's equation for the quantum harmonic oscillator.

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