

Abstract Submitted
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Semiclassical Series Solution to the Schroedinger equation in a 2D universe JOSEPH FANCHER, Worcester Polytech Inst — I will begin by talking about the classical Hamiltonian for a model 2-d universe, which I promoted to a quantum Hamiltonian with a specific ordering for the quantum momentum term. This led me to set up the time-independent Schroedinger equation and obtain a semiclassical series solution. I will discuss my solution for the semiclassical state and higher-order quantum corrections.

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