



HUMBOLDT STATE UNIVERSITY

DEPARTMENT OF MATHEMATICS

Spring 2019 Colloquium Series

An Interfering Paths Approach to Understanding Quantum Mechanics

The intent of this talk is to provide a plausible mechanism for understanding quantum mechanical motion. This mechanism examines all possible motions assigning a complex number to each. These complex numbers interfere in such a way when summed as to predict motions near the classical path of least action. This talk is based on the Feynman and Hibbs text on the path integral formulation of quantum mechanics. Following their lead, we will show that these interfering paths lead to Schrodinger's equation.

Dr. Ken Owens

Associate Professor of Mathematics
Humboldt State University

Thursday, March 28, 2019

BSS Room 166, 4:00 PM

To view this poster online, go to <http://www.humboldt.edu/math/news-and-events/math-colloquium>

We cordially invite you to the Pre-Colloquium Tea on the third floor of the BSS building at 3:30 pm on Thursday.