Abstract Submitted
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Controlling Quantum Chaos BIBEK POKHAREL, ARJENDU PATTANAYAK, Carleton College — We have recently computed Lyapunov exponents describing the chaotic behavior of the quantum trajectories of an open quantum nonlinear oscillator using the Quantum State Diffusion formalism. We have seen several interesting features as a function of changing system parameters. We report on progress towards controlling the observed quantum chaotic behavior using the classical Ott-Grebogi-Yorke protocol.

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