

Resurgence in quantum mechanics

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Classical mechanics in first-order formalism, is determined by a Hamiltonian (possibly time-dependent) and two boundary conditions at the ends of the time interval, i.e. two Lagrangian subvarieties. I will describe certain data which fixes ambiguities in the formal perturbation theory of the corresponding path integral near complex classical trajectories. Also, I propose a conjecture concerning the resurgence of the path integral.

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