Solving the sign problem in the IKKT model and the real-time quantum evolution by the generalized Lefschetz thimble method

Thursday, 8 December 2022 11:20 (40 minutes)

I report on recent developments in the generalized thimble method based on the Hybrid Monte Carlo algorithm using backpropagation. In particular, I discuss interesting results for the IKKT matrix model and the real-time evolution in quantum mechanics.

Primary author:Prof. NISHIMURA, Jun (KEK)Presenter:Prof. NISHIMURA, Jun (KEK)Session Classification:Invited talk