

Seminar

Langevin Oscillating states under low viscous drives

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Periodically driven thermodynamic systems support non-equilibrium oscillating states which exhibit exotic features for low viscous drives. This is a regime that is hard to probe due to singular behaviour of the Langevin dynamics underlying near vanishing viscosity. I will describe a singular perturbation theory allows us to obtain the oscillating that state distributions in this limit. I will then show that there are two distinct classes of distributions, each exhibiting interesting features that can be exploited for a range of practical applicability. The talk will be largely based on the work done in collaboration with Shakul Awasthi (ArXiv: 2402.16512).

Tuesday, May 14th 2024 11:30 Hrs (Tea / Coffee 11:15 Hrs) Seminar Hall, TIFR-H