

[P16] Stochastic efficiency of a Brownian heat engine model

Jong-Min Park, University of Seoul

We investigate statistics of fluctuations of stochastic efficiency of a two-particle Brownian heat engine model. The motions of particles are governed by the Langevin equations. Using stochastic thermodynamics, we calculate the large deviation function for the stochastic efficiency. We discuss our result in the context of the fluctuation theorem.