

LARGE DEVIATION FOR THE GINZBURG–LANDAU $\nabla\phi$ INTERFACE MODEL WITH A CONSERVATION LAW

Takao NISHIKAWA (Nihon University)

The nonlinear fourth-order partial differential equation appears as the hydrodynamic scaling limit for the Ginzburg–Landau $\nabla\phi$ interface model with a conservation law. Regarding it as the law of large numbers, we consider corresponding large deviation principle.