

## Quasi-Potential for the one Dimensional SSEP in Weak Contact with Reservoirs

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We derive a formula for the quasi-potential of a one-dimensional symmetric exclusion process in weak contact with reservoirs. The interaction with the boundary is so weak that, in the diffusive scale, the density profile evolves as the one of the exclusion process with reflecting boundary conditions. In order to observe an evolution of the total mass, the process has to be observed in a longer time-scale, in which the density profile becomes immediately constant. This work is a collaboration with Claudio Landim (IMPA, Rio de Janeiro).

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