

Self-interacting random motions in one dimension

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I will survey some results about self-interacting random walks and self-interacting diffusions in one dimension. The objects in question are strongly non-Markovian random walks (or diffusions) with long term memory induced in some way by the influence of the past local time. Depending on the concrete form of self-interaction a wide range of different asymptotic behavior is found.

List of invited speakers

Schedule for December 13