

A large deviation principle for a two-dimensional stochastic wave equation.

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Abstract.

We establish a large deviation principle for a stochastic wave equation driven by a noise white in time and correlated in space. The proof uses a technique developed by Dupuis and Budhijara (2000, 2008).

First, we will recall the notion of a large deviation principle and give the main lines of Dupuis and Budhijaras method. Finally, we will sketch the steps of the proof of our result and report on future plans.