

Fluctuating Potential Barrier System with Correlated Spatial Noises

LI Jing-Hui

Center for Nonlinear Studies, Institute of Applied Physics and Computational Mathematics, P.O. Box 8009(28), Beijing 100088, China

(Received: 2003-9-5; Revised: 2003-10-30)

Abstract: In this paper, we study a fluctuating potential barrier system with correlated spatial noises. Study shows that for this system, there is the resonant activation over the fluctuating potential barrier, and that the correlation between the different spatial noises can enhance (or weaken) the resonant activation.

PACS: 05.40.Ca

Key words: spatial noise, resonant activation

[\[Full text: PDF\]](#)

Close