

ASYMPTOTIC BEHAVIOR FOR THE SURVIVING BROWMAN MOTION
ON THE SIERPIŃSKI GASKET WITH POISSON OBSTACLES

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Abstract: A Brownian motion on the Sierpiński gasket gets absorbed at the boundary of a cloud of balls with centers distributed according to an independent Poisson law. The aim of this paper is to investigate the asymptotic behavior of the probability that up to time t the process in question has traveled far provided it has not been absorbed.

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