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Properties of random walk on (high-dimensional) incipient infinite cluster.

ABSTRACT: We study random walk on high-dimensional incipient infinite cluster (IIC). In particular, we are interested in the time that the walk needs to exit a ball of radius r (measured in Euclidean distance). We contrast the result to exit times from an intrinsic ball (measured with graph metric), which is recently obtained by Kozma and Nachmias (2009).

Based on joint work with Remco van der Hofstad and Tim Hulshof.