

Disconnection of discrete cylinders and random interlacements

Alain-Sol Sznitman
ETH Zurich

Abstract: The disconnection by a random walk of a discrete cylinder with a large finite connected base has been a recent object of interest. It has to do with the way paths of random walks can create large separating interfaces. In this talk we give an overview of some current results and explain how this problem is related to questions of percolation and to the model of random interlacements.