A Survey of Random Walks on a Percolation Cluster

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Consider the Bernoulli bond percolation on graph $G$ and suppose there is an infinite cluster $C$. We would like to compare $C$ with $G$ by running a random walk on $C$, hoping that $C$ and $G$ share many properties. In this talk we shall examine recurrence and speed of a random walk, and collisions of two independent random walks. Some open problems will be discussed.