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Title: Random walk in iid random environment on free groups

Abstract: We consider iid random environments at the vertices of a graph of fixed even degree. The probabilities at the vertices are oriented according to the words from a free group. Given the environment, a random walk following these probabilities will be shown to be transient. This is part of an ongoing project with Siva Athreya and Antar Bandyopadhyay. Certain issues related to the speed of the random walk will also be discussed.