談話会のお知らせ

講師 Prof. Jean-Dominique Deuschel
(Technische Universität Berlin)

タイトル Quenched Invariance Principle for the Random conductance Model

概要

We consider a symmetric random walk on the d-dimensional lattice in a random ergodic environment, where the random conductances are not necessarily uniformaly elliptic.
We show that for almost all environment, the rescaled walk converges in law to a Brownian motion.
Our proof relies both on analytical and probabilistic arguments, in particular the Harnack inequality.

This is a joint work with S. Andres and M. Slowik.

日時 2015年11月19日(木)
16：30～17：30

場所 琉球大学理学部 407教室

問合先/世話人
数理科学科/杉浦　誠