

Strong laws of large numbers for superdiffusions

Andreas Kyprianou, Bath

Mittwoch, 16. Oktober 2013, 17:00 Uhr, M 4

Abstract:

One of the most fundamental questions regarding spatial branching particle systems is how they distribute mass through space. In this respect, there is a long history in the literature looking at laws of large numbers on compact domains. Getting strong limit theorems has proved to be a challenge, particularly for superprocesses. In this talk we outline a new approach to this using a skeletal decomposition of superprocesses to bootstrap results concerning particle processes into the superprocess setting.

This is joint work with Maren Eckhoff and Matthias Winkel.