

University of Cologne
Institute of Mathematics
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office: Mathematics 205

WS 2017:

Aspects of branching random walks and branching Brownian motion

The goal is to investigate branching random walks and Branching Brownian motion. These are fundamental models arising in a variety of different contexts such as population dynamics, statistical physics, extremal value statistics, and even computer science.

The seminar is aimed at BSc and MSc students, and the specifics of the topics will depend on the background of the participants.

Participants are expected to have mastered the lectures ‘Wahrscheinlichkeitstheorie I’ and ‘Wahrscheinlichkeitstheorie II’ (in case of MSc students) also. In order to obtain the corresponding credit points, participants have to give a presentation on one of the available topics and actively contribute to the discussions of the remaining presentations.

Presentations can be given in English or German. At <http://www.alt.mathematik.uni-mainz.de/Members/lehn/le/seminarvortrag> you can find some advice on how to prepare a valuable seminar talk which you should take serious.

Students who intend to participate in the seminar are asked to notify the lecturer via email (see above) by **July 31st, 2017**, including

1. matriculation number,
2. semesters studied,
3. relevant lectures attended and grades obtained.

Room: Mathematics 204 (Seminarraum 2)

Day & time: Wednesday, 4 to 5:30 p.m.

The details of the preparatory meeting will be announced in due course.