Universität zu Köln

D e p a r t m e n t
M a t h e m a t i k / I n f o r m a t i k

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Einladung
zum
Oberseminar Stochastik

Am Mittwoch, 9. April 2025, um **17:45 Uhr** im Seminarraum 1,
Raum 005, des Mathematischen Instituts, Weyertal 86-90, 50931 Köln.
Es spricht:

Dr. Maximilian Fels
(Technion Haifa)

zum Thema

The BRW subject to a hard-wall constraint

Abstract: We study the (binary) branching random walk when the heights of all particles in the most recent generation are conditioned to be positive. We obtain sharp asymptotics for the probability of this event and for various statistics, conditional on its occurrence. In particular, we identify the repulsion profile followed by the conditional field, and derive limits in law for its maximum, minimum and associated additive martingales. These results show, among other things, that the laws of the conditional and unconditional fields are mutually singular in the limit.

Alle Interessenten sind herzlich eingeladen.

Die Dozenten der Stochastik