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Einladung

zum
Oberseminar Stochastik

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ONLINE Vortrag über Zoom - (Zugangsdaten werden noch mitgeteilt)

am Donnerstag, 16.07.2020 ab **17:45 Uhr**

Dr. Amitai Linker

(Universität zu Köln)

zum Thema

Domination and coexistence for a population model with forest fire epidemics

The "moth model" is a population process introduced originally by Durrett and Remenik in 2009, where population spreads through a network while being attacked by forest-fire type epidemics that wipe out giant clusters of individuals. In their original work the authors showed that under some hypotheses the trajectories of the population density in this model converge to the trajectories of an explicit deterministic system which they proved, turns out to be chaotic. In this talk I will introduce a natural two-type extension that converges to an explicit dynamical system which is again chaotic, and show how we can use this dynamical system to retrieve some information about the qualitative behavior of the stochastic model. Joint work with Luis Fredes and Daniel Remenik.

Alle Interessenten sind herzlich eingeladen.

Die Dozenten der Stochastik