



**Einladung
zum
Oberseminar Stochastik**

Am Mittwoch, 10.01.2024, um **17:45 Uhr**, im Seminarraum 1 (Raum 005)
der Abteilung Mathematik, Weyertal 86-90, 50931 Köln spricht:

Dr. Dominik SCHMID
(Universität Bonn)

zum Thema

Approximating the stationary distribution of the open ASEP

The exclusion process is one of the best-studied examples of an interacting particle system. In this talk, we consider the stationary distribution of asymmetric simple exclusion processes with open boundaries. We project the stationary distribution onto a subinterval, whose size is allowed to grow with the length of the underlying segment. Depending on the boundary parameters for the exclusion process, we provide sufficient conditions such that the projected stationary distribution is close in total variation distance to a product measure.

This talk is based on joint work with Evita Nestoridi.

Alle Interessenten sind herzlich eingeladen.

Die Dozenten der Stochastik