



Einladung zum Oberseminar Stochastik

Am Donnerstag, 13. Dezember 2018, um **17:45 Uhr**, im Seminarraum 2
des Mathematischen Instituts (Raum 204), Weyertal 86-90, 50931 Köln
spricht:

Dr. Helge Schäfer
(Universität Darmstadt)

zum Thema

Random permutations without macroscopic cycles

We consider uniform random permutations conditioned to have no long cycles and study the asymptotic behaviour of the cycle structure. It is established that the small cycles exhibit classical behaviour, whereas long cycles are strongly influenced by the concrete choice of constraint. We also show that the process of cumulative cycle numbers not exceeding a given length has a limit shape and that the fluctuations about this limit shape obey a functional limit theorem. This is joint work with V. Betz and D. Zeindler.

Alle Interessenten sind herzlich eingeladen.

Die Dozenten der Stochastik