



Institut für Mathematik

## Seminar zur Stochastik

Dienstag, 10. April 2018  
14 Uhr c. t.  
SR 114, August-Bebel-Str. 4

**Frau Jaroslava Korenovska**  
(derzeit FSU Jena)

### “Clusters in Arratia flow and random integral operators”

**Abstract:** In the talk we study the operator of shifting of square-integrable functions along the Arratia flow of coalescing Brownian motions. Due to coalescence this operator is unbounded. To investigate its properties we introduce the integral operators based on the cluster set of Arratia flow. We obtain results about asymptotic properties of cluster set and transform it in the statements about the properties of the introduced integral operators.

**Alle Interessenten sind herzlich eingeladen**

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