

Oberseminar Stochastik

Am **Dienstag, 25. Juni 2019**, wird

Herr Frederik Klement (Johannes Gutenberg-Universität Mainz)

einen Vortrag halten mit dem Titel:

“Poisson Representation for Population Models with Competition”

Abstract:

The Dawson-Watanabe process is a famous population model in biology. Thomas Kurtz and Eliane Rodrigues presented 2011 a Poisson representation for this process, from which one can construct a genealogy for the population. But a big disadvantage of the Kurtz-Rodrigues representation and the Dawson-Watanabe process is that there exists no interaction between the particles.

We want to discuss how to combine Perkins historical calculus with the Kurtz-Rodrigues representation to derive a Poisson representation for competitive models. Doing so we can also implement the competitive model as a subpopulation of the Dawson-Watanabe process.

Zeit: Dienstag, 25. Juni 2019, 14 Uhr c.t.

Ort: Raum 05-136, Institut für Mathematik, Staudingerweg 9, 55128 Mainz

Alle Interessierten sind herzlich eingeladen!

gez. Matthias Birkner