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DK Seminar

June 29, 2016, 14:15 - 15:45
Vienna University of Technology,
Freihaus, green area, 4th floor, 101C

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Stochastic reaction-diffusion equations

We consider stochastic reaction-diffusion equations with a multiplicative noise term and analyse the influence of the Brownian Motion on the solution. Therefore, we use a variational approach to show the existence of solutions for a competition model for two species. Moreover, numerical simulations will be presented for the stochastic model and compared to the deterministic case.