Seminar/Talk

On the Cauchy-Dirichlet problem for the stochastic porous medium equation with transport noise

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Host: Jan Maas

This talk will be concerned with the one dimensional porous medium equation (PME) perturbed by Stratonovich transport noise. Due to the finite speed of propagation property of the porous medium equation, one may suspect that because of the nature of the noise term solutions to the Cauchy-Dirichlet problem die out after some finite time. Based on an introduction to parts of the theory of the deterministic and stochastic PME, I will discuss an approach to this problem which connects deterministic and probabilistic arguments.

Tuesday, June 19, 2018 11:00am - 12:30pm
Mondi Seminar Room 2, Central Building

This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: https://ista.ac.at/en/campus/how-to-get-here/ The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.

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