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Einladung zum Vortrag

20. Oktober 2009

von

Dr. Vadim Shcherbakov
MOSCOW STATE UNIVERSITY

Sequential adsorption models and their applications

Sequential adsorption model is used in physics and chemistry for modelling adsorption processes. The main feature of an adsorption process is that the adsorbed particles can either accelerate or inhibit adsorption of subsequent particles. Potential applicability of the adsorption models for biological growth and spreading was firstly noticed by physicists. In particular, the models may be useful for modelling the spatial features of the irreversible spread of disease or epidemics. Such an application requires developing statistical inference for the model. It will be explained in this talk how to do statistical inference for a wide class of adsorption models and how the modelling idea used in the construction of these models can also be used for modelling finite point processes specified by a density with respect to the distribution of a Poisson process.

Termin: Mittwoch, 18. November 2009, 14:00 Uhr

Ort: Universität Ulm, Helmholtzstr. 18, Raum E60

Interessenten sind herzlich eingeladen.

Der Vortrag findet im Rahmen unseres Forschungsseminars statt.

gez. E. Spodarev