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3. November 2010

Einladung zum Vortrag

von

Herrn Bruno Galerne
ENS CACHAN (FRANKREICH)

The Transparent Dead Leaves Process

In this talk we introduce the transparent dead leaves (TDL) process, a new germ-grain model in which the grains are combined according to a transparency principle. Informally, this model may be seen as the superposition of infinitely many semi-transparent objects. Properties of this new model are established and a simulation algorithm is proposed. In particular we derive the covariance of the TDL process. We then state and discuss a central limit theorem, showing that when varying the transparency of the grains from opacity to total transparency, the TDL process ranges from the dead leaves model to a Gaussian random field. The talk concludes with the computation of the mean total variation of the TDL process.

Termin: Mittwoch, 17. November 2010, 14:15 Uhr

Ort: Universität Ulm, Helmholtzstr. 18, Raum 220

Der Vortrag findet im Rahmen unseres Forschungsseminars statt. Interessenten sind herzlich eingeladen.

gez. V. Schmidt