Institut für Stochastik der HUB | Arbeitsgruppe Wahrscheinlichkeitstheorie der U Potsdam

FG Stochastische Systeme des WIAS | Arbeitsgruppe Stochastik der TUB

INTERNATIONAL RESEARCH TRAINING GROUP

Stochastic Models of Complex Processes

Wednesday, December 8, 2010 – 17:15

Speaker

Maite Wilke Berenguer (Technische Universität Berlin)

Title

Lipschitz percolation

Abstract: Lipschitz percolation is concerned with the existence of the graph of a so called Lipschitz function in the set of open sites of a standard site percolation process on $\mathbb{Z}$. It was introduced by Dirr, Dondl, Grimmett, Holroyd and Scheutzow (2010) and exhibits the phenomenon of a phase transition typical for percolation problems. This talk is dedicated to the critical probability p_L at which this transition occurs, thus an upper bound is presented and the relation between Lipschitz and oriented percolation is explored in order to get a lower bound.

Location: MA 041, Straße des 17. Juni 136, TU Berlin

http://www2.math.tu-berlin.de/smcp/