Colloquium

Jeudi 19 juin 2008
Salle P1-008, 10h

A. Piatnitski (Narvik et Moscou)

"Homogenization of random parabolic operators with lower order terms"

"The talk will focus on homogenization of random parabolic equations with large zero order term. We will show that, in contrast to divergence form operators, in the studied case the result on almost sure homogenization might fail to hold. Instead, we obtain the convergence of solutions in law in a proper functional space. The limit dynamics might remain random. In particular, in the limit we can obtain a stochastic partial differential equation."

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