Séminaire commun Probabilités et Statistiques, Dynamique et Géométrie

Mardi 23 Mai à 15h30
Laboratoire Dieudonné
Salle 1

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(University of Toronto)

On global solutions to the random Hamilton-Jacobi equation and KPZ problem

We shall discuss a possible approach to the problem of KPZ universality based on global solutions to the random Hamilton-Jacobi equation. We shall formulate several conjectures and discuss some rigorous results in their support.

We also shall discuss a new renormalisation scheme in dimension 1+1 based on geometrical properties of minimisers and shocks.