

Séminaire de mathématiques et leurs applications

18 avril 2019

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Titre: On a fractional conservation laws with noise.

Résumé: In this talk, we discuss some of the main mathematical problems connected to multidimensional degenerate fractional conservation laws with noise. In particular we show existence & uniqueness of entropy solutions, and derive continuous dependence estimate on the nonlinearities of the entropy solutions. Moreover, we establish a vanishing non-local regularization of a scalar stochastic conservation laws.