Séminaire de Probabilités et Statistiques

Mardi 4 avril à 15h30
Laboratoire Dieudonné
Salle de Conférences

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A fluid-particle system related to Vlasov-Navier-Stokes equations

Convergence to the Vlasov-Navier-Stokes equations of a system of particles interacting with a fluid is investigated. The difficulties are outlined and hints for the solution are given. Several open problems remain on the subject, that will be discussed.