



Maxwell Mini-Symposium in PDEs

Organisers

Heiko Gimperlein (Heriot-Watt University)

Aram Karakhanyan (University of Edinburgh)

Monday, 18 February, 10:30
ICMS Lecture Theatre

Program

10:30

Isabelle Gallagher, Ecole Normale Supérieure

On the convergence from particle to Boltzmann and fluid dynamics.

Abstract: In this talk we shall report on some recent progress with Thierry Bodineau, Laure Saint-Raymond and Sergio Simonella, concerning the derivation of the Boltzmann equation, and of some fluid equations, starting from particle systems as the number of particles goes to infinity, in the low density limit. We shall in particular discuss the appearance of irreversibility in the limiting procedure.

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