

For Favour of Posting



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Joint Colloquium

New estimates for the Landau equation of kinetic theory

Abstract: The Landau equation (with Coulomb potential) is a model describing the collisions between charged particles in a plasma. We present new estimates enabling to bound below the entropy dissipation appearing in Landau equation in terms of a weighted H^1 norm (this is a variant of the so-called Cercignani's conjecture). As a consequence, we get new results of smoothness for the solution of the (spatially homogeneous) Landau equation, and of large time behavior for the same equation.

By

Professor Laurent Desvillettes

Université Paris Diderot - Paris 7

Date : April 26, 2017 (Wednesday)

Time : 3:30pm – 4:30pm

Venue : Room 501a, Academic Building No. 1, CUHK

For further information, please contact Professor Renjun Duan

By

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All are Welcome