

Department of Mathematics
City University of Hong Kong

Colloquium

Organised by Prof. Tong YANG and Prof. Tao LUO

The Concept of Propagation of Chaos in Kinetic Theory

by

Professor Mario Pulvirenti
University of Rome
Italy

Abstract :

Given a classical particle system, we discuss how the statistical independence among particles (propagation of chaos) merges under suitable scaling limits, in spite of the fact that dynamics creates correlations.

The propagation of chaos allows us to establish and derive the various effective kinetic equations, like Boltzmann, Vlasov, Landau equations.

Date: 28 March 2017 (Tuesday)
Time: 4:30 – 5:30pm
Venue: B6605 (AC1)
City University of Hong Kong

**** All interested are welcome ****
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