

综合报告会!

Lecture

国家数学与交叉科学中心

Time: 10:30-11:30am, July 21

Venue: Morningside 110

Tea Break: 10:00-10:30am

Optimal transport, from economics to physics to geometry



Speaker : Cédric Villani

2010 Fields Medallist

Director of the Institut Henri Poincaré

Cedric Villani, a 2010 Fields medalist, is a French mathematician. He made fundamental contributions to the theory of partial differential equations involved in statistical mechanics, specifically, the Boltzmann equation, Landau damping, and optimal transport. With Laurent Desvillettes, he was the first to prove how fast convergence occurred for initial values not near equilibrium for the Boltzmann equation. With his student Clement Mouhot, he made a breakthrough on nonlinear Landau damping. He is also a major world leader in the field of optimal transport and its applications to differential geometry. He received the Fields medal for his work on Landau damping and the Boltzmann equation in August 2010.