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Villani's program on constructive rate of convergence to the equilibrium : Part III - Enlargement and nonlinear estimates

In this talk I will first recall Villani's program on constructive rate of convergence to the equilibrium for the Boltzmann and Landau equations. I will next present some recent works by Guo, Gualdani, Mouhot, Carrapatoso and myself in which proofs of existence, uniqueness and optimal asymptotic rate of convergence to the equilibrium are established.