



偏微分方程及其应用中心

学术报告

报告题目: Hilbert expansion for the Landau-type and non-cutoff Boltzmann-type kinetic equations

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摘要: In this talk, we will show the results of the Hilbert expansion for the Landau-type and non-cutoff Boltzmann-type kinetic equations, including the hydrodynamic limits from the Landau(Boltzmann) equation and to the compressible Euler equation system and from the Vlasov-Maxwell-Landau(Boltzmann) system to the Euler-Maxwell equation system. This is a joint work with Shuangqian Liu, Qinghua Xiao and Huijiang Zhao.