

数学与系统科学研究院

计算数学所学术报告

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报告题目:

Propagation of regularity and long time behavior of 3D massive relativistic transport equation II: Vlasov-Maxwell system

邀请人: 徐丽 博士

报告时间: 2018 年 6 月 22 日 (周五)

下午 15:30-16:30

报告地点: 科技综合楼三层

301 报告厅

Abstract:

Given any smooth, suitably small initial data, which decays polynomially at infinity, we prove global regularity for the 3D relativistic massive Vlasov-Maxwell system without any compact support assumption. A key and also new ingredient is the hidden null structure that we reveal inside the Vlasov-Maxwell system, which allows us to get around a losing weight of size " $|v|$ " issue.

欢迎大家参加！