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中国科学院数学与系统科学研究院
Academy of Mathematics and Systems Science
Chinese Academy of Sciences

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Academy of Mathematics and Systems Science, CAS
Colloquia & Seminars

Speaker: 肖梅霞教授, 武汉纺织大学

Inviter:

Title: Qualitative study of two types of kinetic equations

Language: Chinese

Time & Venue: 2023.03.16 15:00-16:00 思源楼813室

Abstract: In recent years, the study of kinetic equations has attracted much attention because it involves many important scientific phenomena and fields of science, such as nuclear reactor diffusion phenomena, mathematical theory of rarefied gases, astrophysics and plasma kinetics, etc. The Vlasov equation is a classical model of kinetic equations describing the macroscopic physical properties of a large number of particle systems. In the presentation, our research results related to the fitness of the solutions of the Vlasov-Poisson system with damping terms and the relativistic Vlasov-Klein-Gordon system will be presented.

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