

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:

The Deift–Zhou steepest descent method to long-time asymptotics for the Sasa–Satsuma equation

邀请人: 胡星标 研究员

报告时间: 2019 年 7 月 4 日 (周四)

晚上 20:30-21:30

报告地点: 科技综合楼三层

311 报告厅

Abstract:

The initial value problem for the Sasa–Satsuma equation is transformed to a 3×3 matrix Riemann–Hilbert problem with the help of the corresponding Lax pair. Two distinct factorizations of the jump matrix and a decomposition of the vector-valued function are given, from which the long-time asymptotics for the Sasa–Satsuma equation with decaying initial data is obtained by using the nonlinear steepest descent method.

欢迎大家参加！