数学与系统科学研究院

计算数学所学术报告

报告人： 范恩贵 教授

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报告题目：

Long-time asymptotics of the solutions for the nonlocal mKdV equation

邀请人： 胡星标 研究员

报告时间：**2018 年 5 月 18 日（周三）**

晚上 20:00-21:00

报告地点： 数学院南楼七层

702 教室

Abstract：

In this paper，we study the Cauchy problem with decaying initial data for the nonlocal modified Korteweg-de Vries equation (nonlocal mKdV). We first formulate the Riemann-Hilbert problem associated with the Cauchy problem of the nonlocal mKdV equation. Then we apply the Deift-Zhou nonlinear steepest-descent method to analyze the long-time asymptotics for the solution of the nonlocal mKdV equation. In contrast with the classical mKdV equation, we find some new and different results on long-time asymptotics for the nonlocal mKdV equation.

欢迎大家参加！