

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Engui Fan**

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报告题目:

**D bar method with applications to
2+1-dimensional integrable systems**

邀请人: 常向科 副研究员

报告时间: 2019 年 12 月 6 日 (周五)

晚上 21:00-22:00

报告地点: 数学院南楼二层

224 教室

Abstract:

In this talk, we first introduce some notations on $\bar{\partial}$ operator, complex Green formula, Cauchy-Green formula, and then discuss the solution of $\bar{\partial}$ equation. As one of applications of $\bar{\partial}$ method, starting from a special $\bar{\partial}$ equation, we derive 2+1-dimensional spectral problem and 2+1-hierarchy. Especially, we mainly discuss inverse scattering transformation of KP II equation by using $\bar{\partial}$ method.

欢迎大家参加！