

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Yong Chen**

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报告题目:

**Applications of Bell polynomials to
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 19:00-20:00

报告地点: **数学院南楼二层**

224 教室

Abstract:

The Bell polynomials approach is employed to directly bilinearize the two equations. For the Lax-type equation, bilinear Bäcklund transformation, Lax pair, Darboux covariant Lax pair and infinitely many conservation laws are obtained by means of binary Bell polynomials. Moreover, based on its bilinear form, N-soliton solutions are also obtained.

欢迎大家参加！