

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Dajun Zhang**

(*Shanghai University*)

报告题目:

On solutions of discrete integrable systems

邀请人: 常向科 副研究员

报告时间: **2020 年 1 月 6 日 (周一)**

下午 15:30-16:30

报告地点: 数学院南楼二层

205 教室

Abstract:

This is a short review on the solutions of quadrilateral equations, including N-solitons, rational/algebraic solutions and elliptic N-solitons, which can be derived by means of Cauchy matrix approach, bilinear method, and direct linearisation scheme, etc. In particular, the tau function for algebraic solutions obeys a bilinear superposition formula, which provides generalized Burchnell-Chaundy polynomials, and the dispersion relation for elliptic N-solitons is characterized by “elliptic N-th root of unity”.

欢迎大家参加！