

数学与系统科学研究院
计算数学所网络学术报告

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报告题目:

On elliptic aspects of some discrete integrable systems (II)

邀请人: 常向科 副研究员

报告时间: **2021 年 11 月 10 日 (周三)**

下午 14:50-15:40

报告工具: **腾讯会议 (ID: 624 150 949)**

Abstract:

There are two ways elliptic curves can play a role in integrable systems: either as elliptic type solutions (i.e. solutions expressible in terms of elliptic functions), or as elliptic deformation of the equations themselves. In either way, the study of the elliptic case is often richer than the rational and trigonometric/hyperbolic cases, and reveals many new features of the models in question. This is the first half part of the series of talks.

Part II: I will introduce an elliptic scheme of direct linearization approach. This allows us to obtain a series of integrable lattice equations which admit elliptic soliton solutions expressed in terms of Weierstrass functions.

欢迎大家参加！