数学与系统科学研究院

计算数学所网络学术报告

报告人：　张大军 教授

（ *上海大学* ）

报告题目：

Cauchy matrices and matrix discrete integrable systems

邀请人：　胡星标 研究员

报告时间：**2020** 年 **9** 月 **13** 日（周日）

下午 **15:00-16:00**

报告工具：腾讯会议（**ID：295 773 629**）

Abstract:

The Sylvester equation, AM+ MB = C, is a famous matrix equation in linear algebra and widely used in many areas. In the talk, we will give an explicit form of M as solutions to the Sylvester equation. Then, starting from the Sylvester equation and introducing shift relations to define plane wave factors, we construct matrix discrete integrable systems, including matrix Adler-Bobenko-Adler equations and discrete Boussinesq-type equations.

欢迎大家参加！