

数学与系统科学研究院
计算数学所网络学术报告

报告人: 虞国富 教授

(上海交通大学)

报告题目:

**Soliton and (semi-)rational solutions
to a generalized dispersive long wave
equation**

邀请人: 常向科 副研究员

报告时间: 2020 年 11 月 11 日 (周三)

下午 14:00-15:00

报告工具: 腾讯会议 (ID: 596 314 559)

Abstract:

In this talk, we apply bilinear Kadomtsev-Petviashvili hierarchy reduction approach to construct soliton, line breather and (semi-)rational solutions to the generalized dispersive long wave equation. These solutions are expressed as $N \times N$ Gram-type determinants. When N is even, soliton, line breather and (semi-)rational solutions on the constant background are derived. When N is odd, solutions on the periodic background are obtained.

欢迎大家参加！