

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:

**Riemann theta function solutions to
the coupled long wave-short wave
resonance equations**

邀请人: 胡星标 研究员

报告时间: 2021 年 9 月 12 日 (周日)
上午 10:30-11:30

报告工具: 腾讯会议 (ID: 491 547 118)

会议链接:

<https://meeting.tencent.com/dm/IGRV3AQ783P1?rs=25>

Abstract:

In this talk, we consider a hierarchy of coupled long wave-short wave resonance equations. We discuss the properties of the associated trigonal curve and the related Baker-Akhiezer function. From the asymptotic expansions of the Baker-Akhiezer function, we obtain the explicit Riemann theta function solutions for the entire hierarchy of coupled long wave-short wave resonance equations.

欢迎大家参加！