

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 two super KdV systems of  
Kupershmidt**

邀请人: 常向科 副研究员

报告时间: 2021年12月7日(周二)  
晚上 19:00-19:45

报告工具: 腾讯会议 (ID: 488 318 491)

## **Abstract:**

**In a paper published in Journal of Physics A [ 17(1984) L869-L872], Kupershmidt proposed two different super-integrable extensions of the Korteweg-de Vries equations. For his first system, he claimed that there is no second Hamiltonian structure. We present the missing second Hamiltonian structure which turns out to be nonlocal. For his second system, the missing Lax operator is obtained.**

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