

数学与系统科学研究院

计算数学所学术报告

报告人: **Jiawang Nie**

(*Mathematics Department, University of California, San Diego*)

报告题目:

Hankel 张量的分解与秩

邀请人: 刘亚锋 副研究员

报告时间: **2019 年 7 月 13 日 (周六)**

下午 16:00-17:00

报告地点: 科技综合楼三层

311 报告厅

Abstract:

This talk discusses relations among various ranks of Hankel tensors. First, we give an algorithm for computing Vandermonde rank decompositions for all Hankel tensors. Second, for generic Hankel tensors of even order or order three, we prove that the classical cp rank, symmetric rank, border rank, symmetric border rank, and Vandermonde rank all coincide with each other. Third, we discuss some open questions about Hankel tensors.

欢迎大家参加！