

数学与系统科学研究院

计算数学所学术报告

报告人: **Assistant Prof. Wei-Hsuan Yu**

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报告题目:

**Universal optimal codes and  
harmonic index t-designs.**

邀请人: 许志强 研究员

报告时间: **2018 年 8 月 31 日 (周五)**

**上午 10:00-12:00**

报告地点: 数学院南楼二层

**202 教室**

## **Abstract:**

**In this talk, we will introduce the energy minimizing problems and the notion of universal optimal codes. The relation between universal optimal codes and spherical  $t$ -designs has been studied by Cohn and Kumar and which result is published in JAMS. We explore the connection between universal optimal codes and harmonic index  $t$  designs and we like to point out the problems of determining existence of tight harmonic index  $t$ -designs.**

**欢迎大家参加！**