

数学与系统科学研究院

计算数学所学术报告

报告人: 刘宏宇 副教授

(香港浸会大学)

报告题目:

**Geometric structures of interior
transmission eigenfunctions and
their applications**

邀请人: 季霞 副研究员

报告时间: 2017 年 7 月 25 日 (周二)

上午 10:00-11:00

报告地点: 科技综合楼三层

301 报告厅

Abstract:

In this talk, the speaker shall present their recent discovery on the geometric structures of transmission eigenfunctions. It is found that the transmission eigenfunctions shall vanish or localize near a corner/cusp point on the boundary of the support of the underlying potential function. The intrinsic geometric structures are much delicate and intriguing. Their applications to inverse scattering problems of producing super-resolution images shall also be discussed.

欢迎大家参加！