



## 偏微分方程及其应用中心

# 学术报告

**报告题目:** Stability of 2D steady Euler flows with concentrated vorticity

**报告人:** 王国栋 讲师  
哈尔滨工业大学

**时间:** 2023年7月21日(星期五) 上午 10:00-11:00

**地点:** 腾讯会议: 739-561-518

**摘要:** We will discuss our recent result on the nonlinear stability of steady Euler flows with concentrated vorticity in a 2D bounded domain. The idea of the proof is to analyze the kinetic energy of these flows on some isovortical surface. Separation property of the stream function plays an important role in our analysis.