北京理工大學

数学与统计学院学术报告

Vortex confinement problem for axisymmetric incompressible Euler equations

报告人： **In-Jee Jeong** (首尔国立大学)

时间： 2025.6. 19 下午4:00--5:00

地点： 文萃楼F 205

摘要： The three-dimensional incompressible Euler equations under axisymmetry have been widely studied. While the “no-swirl” assumption makes the system very similar to the two-dimensional vorticity equations, it is still possible for solutions to have unbounded vortex stretching. After reviewing classical confinement results in 2D and 3D, we report some progress on the issue of vortex stretching for axisymmetric Euler equations.

报告人简介： **In-Jee Jeong**，首尔国立大学副教授，长期从事偏微分方程领域研究，发表五十余篇文章在 Invent. Math.,CPAM,ARMA,APDE,TAMS, Math. Ann.,JFA,CMP,CPDE,AJM, Mem. Amer. Math. Soc.等国际权威期刊上。

主办单位：北京理工大学数学与统计学院

School of Mathmatics and Statistics, Beijing Institute of Technology