SCMS Seminar

RADIAL SYMMETRY OF STATIONARY AND UNIFORMLY-ROTATING SOLUTIONS IN 2D INCOMPRESSIBLE FLUID EQUATIONS

Speaker: Yao Yao

Georgia Institute of Technology

Lecture

Time: 10:30-11:30, August 1st, 2019

Venue: Room 102, Shanghai Center for Mathematical Sciences

Abstract: In this talk, I will discuss some recent work on radial symmetry property for stationary or uniformly-rotating solutions for 2D Euler and SQG equation, where we aim to answer the question whether every stationary/uniformly-rotating solution must be radially symmetric, if the vorticity is compactly supported. This is a joint work with Javier Gómez-Serrano, Jaemin Park and Jia Shi.