

*Department of Mathematics,
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Math 248 - Real Analysis Seminar

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Radial symmetry of stationary and uniformly-rotating solutions in 2D incompressible fluid equations

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 Gmez-Serrano, Jaemin Park and Jia Shi.

Host: Andrej Zlatos

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11:00 AM

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