## LJCIISTC | 수리과학과 Mathematical Sciences Colloquium

## Radial and Azimuthal Symmetry for Incompressible Fluids



Professor

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October 14(Friday) 13:00 - 14:15 Venue Building 110, Auditorium N103

Host Prof. Kyudong Choi

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## Abstract

Long-time dynamics of two-dimensional incompressible fluids is an interesting problem, with relevance to large scale atmosphere dynamics. Various numerical simulations show that generically only a few number of coherent vorticities remain in the long time limit. In this talk, we approach this problem using variational principles, under the belief that such states are extremizers of the kinetic energy under certain constraints. We discuss old and new results regarding this variational problem.

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