Partial Differential Equations Seminar

Title

Instability of rotating vortex patches

Speaker

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Affiliation

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Date

February 11th , 11:00 ~ 12:00

Location

Zoom 강연

Abstract

To begin with, we will extend the variational principle to obtain stability of more interesting rotating patches, including the so-called m-waves of Kelvin (1880). Based on such a stability result, we show how to prove the filamentation behavior, formation of a long arms, for arbitrary small and localized perturbations to the rotating vortex patches.