

MIMS現象数理カフェセミナー

日時: 2020年9月15日(火) (14:30 - 15:10) 開始時間にご注意ください。

場所: 今年度はZoomでのリモート開催となります

Localized turbulence in simple flow

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Abstract: Localized turbulence, which is turbulent state embedded in a stationary state, is observed in the incompressible flow, especially in wall-bounded flows. Turbulent region forms a beautiful pattern depending on the flow velocity. Such localized state has scientific and industrial interests related to mechanism of turbulence transition and prediction of drag force. On the other hand, laboratory and numerical experiments for localized turbulence are difficult because of its three dimensionality and scale separation. In this talk, I will show localized turbulence in two-dimensional simple fluid system, called Kolmogorov flow.



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