

MIMS現象数理カフェセミナー

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Concentration points of solutions in a spatially heterogeneous reaction-diffusion equation

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Abstract: We are interested in a point-condensation phenomenon in solutions of a spatially heterogeneous reaction-diffusion equation. This means that distribution of a solution concentrates in a very narrow region around a finitely many points. Hence, it is important to find the candidates for the concentration points since we can know the shape of concentrating solutions. In this talk, we introduce the location of concentration points and the effect of spatial heterogeneity on the points.



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