

MIMS現象数理カフェセミナー

日時: 2024年8月28日(水) (12:40 – 13:20)

場所: 中野キャンパス8階 談話室

Blocking and propagation in two-dimensional cylinders with spatially undulating boundary

Mori Ryunosuke (Meiji University)

Abstract : We consider blocking and propagation phenomena of mean curvature flow with a driving force in two-dimensional cylinders with spatially undulating boundary. In this problem, Matano, Nakamura and Lou in 2006, 2013 characterize the effect of the shape of the boundary to blocking and propagation of the solutions under some slop condition of the boundary that implies time global existence of the classical solutions. In this talk, we consider the effect of the shape of the boundary to blocking and propagation of this problem under more general situation that the solutions may develop singularities near the boundary.



問い合わせ: Park Hyunjoon
Email: hyunjoonps@gmail.com