

Applied Dynamical Systems Seminar

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Monday, October 27, 2014
10:00 - 11:00 am, HH-3026

A Reaction-Advection-Diffusion Competition Model in A Periodic Habitat: II. Traveling waves and spreading speed

Abstract:

In this talk, I will present our results on the existence of the rightward spreading speed and its coincidence with the minimal wave speed for spatially periodic rightward travelling waves. We also obtain a set of sufficient conditions for the rightward spreading speed to be linearly determinate. An application example will be given at the end of the talk. This is a joint work with Dr. Xiaoqiang Zhao.