1138-35-101 **Keng Deng***, Department of Mathematics, University of Louisiana at Lafayette, P.O. Box 43568, Lafayette, LA 70504-3568, and **Yixiang Wu**. *Global Attractivity of a Delayed Reaction-Diffusion Equation with Variable Coefficients.*

In this talk, we consider a reaction-diffusion equation with continuous delay and spatial variable coefficients which models the evolution of a single species. We establish a sharp threshold dynamic result: there exists a critical value λ such that if $\lambda < 1$ the positive steady state solution of the equation is globally attractive, while if $\lambda \geq 1$ the trivial steady state is globally attractive. To this end, we analyze the *non-invariant* ω-limit set of the equation and prove that it is a singleton. (Received February 03, 2018)