

Abstract

This talk is about the traveling waves for time-delayed reaction-diffusion equations with degenerate diffusion or nonlocal dispersion term. For the degenerate case, we will show the existence of smooth and sharp type traveling waves, global existence and regularity of the Cauchy problem, and the global stability of traveling waves. While, for the nonlocal dispersion case, we will show the stability of the monotone/non-monotone and critical/non-critical traveling waves.