"Spatial propagation for nonlocal non-autonomous Fisher-KPP equation"

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In this lecture we discuss existence results of travelling wave solutions and spreading speed for a non-autonomous Fisher-KPP equation with nonlocal diffusion. We prove that under suitable time averaging properties for the coefficients, the equation exhibits a definite spreading speed. We also study non-autonomous Fisher-KPP equation on a lattice and deduce from our analysis some spreading phenomenon for some predator-prey systems on lattice.