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Trimming harvesting strategies to natural dispersal for spatially heterogeneous populations

Defining a diffusion strategy as the tendency to have a distribution proportional to a certain positive prescribed function, once a diffusion coefficient grows infinitely, we explore the influence of harvesting policies on the competition outcome. The talk is focused on the interplay of heterogeneity, variable diffusion strategies and space-dependent populations management, either harvesting or management combining possible relocation, culling and stocking.