

Title: Eigenvalues and the stabilized automorphism group of minimal systems.

Abstract: The stabilized automorphism group of a dynamical system (X, T) is the group of all self-homeomorphisms of X that commute with some power of T . In this talk, we will describe the stabilized automorphism group of minimal and, more generally, certain transitive dynamical systems. The main result that we will prove is that if two minimal systems have isomorphic stabilized automorphism groups and each has at least one non-trivial rational eigenvalue, then the systems have the same rational eigenvalues.