

The stabilized automorphism group of a subshift

Scott Schmieding

Northwestern University

The automorphism group of a subshift consists of all self-homeomorphisms which commute with the shift map. We'll discuss this group in the case of a shift of finite type, and give some background and problems related its study. Finally, we'll discuss recent work with Yair Hartman and Bryna Kra in which we introduce a certain stabilized automorphism group, and outline some results which allow us to distinguish (up to isomorphism) certain cases of stabilized automorphism groups of full shifts.
