SEMINARIUM UKŁADY DYNAMICZNE

Tytuł: On intrinsic ergodicity of weakly specified, almost specified shift spaces.
Referent: Dominik Kwietniak
Data: 10 X 2014

Abstract: A shift space is intrinsically ergodic if it has a unique measure of maximal entropy (MME). Bowen introduced the specification property and proved that the shift spaces with the specification property are intrinsically ergodic. Pfister and Sullivan generalized Bowen's notion and defined the g almost product property, later coined the almost specification property by Thompson. Another generalization of specification is due to Marcus who introduced the weak specification property. I will describe a family of shift spaces showing that neither weak nor almost specification imply uniqueness of the MME, along with some other results about almost specified dynamical systems. I will relate these results to the work of Climenhaga and Thompson on intrinsic ergodicity of some shift spaces. Time permits I will discuss a related problem of intrinsic ergodicity of the subordinate shift spaces.

The talk is based on a joint work with Piotr Oprocha (AGH Kraków) and Michał Rams (IM PAN Warszawa).