UNIVERSAL MINIMAL FLOW IN THE LANGUAGE OF FILTERS

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Abstract. We describe the greatest ambit and the universal minimal flow as spaces of filters. We use this approach to generalize results of Kechris, Pestov and Todorčević to groups of automorphisms of uncountable structures and to attack the problem of unique ergodicity of amenable groups of automorphisms recently posed and partially solved by Kechris. In the end, we give a simple proof of a result of Pestov that groups of isometries of generalized Urysohn spaces have the fixed point property.

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