

1119-03-205

Marcin Sabok*, McGill University, Department of Mathematics and Statistics, 805 Sherbrooke St W, Montreal, QC H3A 0B9, Canada. *Topological conjugacy of Toeplitz subshifts.*

I will discuss the the descriptive set theoretic complexity of the equivalence relation of conjugacy of Toeplitz subshifts of a residually finite group G . On the one hand, we will see that if G is the group of integers, then topological conjugacy on Toeplitz subshifts with separated holes is amenable. In contrast, if G is non-amenable, then conjugacy of Toeplitz G -subshifts is a non-amenable equivalence relation. The results are motivated by a general question, asked by Gao, Jackson and Seward, about the complexity of conjugacy for minimal, free subshifts of countable groups. This is joint work with Todor Tsankov. (Received February 15, 2016)