

Iterated Minkowski sums, horoballs and north-south dynamics

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Let G be a countable group generated by a finite set A containing the identity. This talk will present results about the topological dynamical system $\varphi_A : 2^G \rightarrow 2^G$ defined by $M \mapsto MA = \{ma : m \in M, a \in A\}$. I will concentrate on properties of the pair (G, A) which can be recovered from the dynamics of φ_A . This is based on joint work with Tom Meyerovitch.