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Title: On ergodic type properties for codimension-1 foliations

Abstract: The ultimate goal of this research program is to establish conjectures by Ghys and Sullivan: transversely C^2 , codimension-1 foliations of compact manifolds are ergodic with respect to Lebesgue measure whenever minimal, and exceptional minimal sets have zero Lebesgue measure. Following a joint work with Deroin and Kleptsyn, I will present the ideas leading to the solution of this for group actions on the circle by real-analytic diffeomorphisms.