

Finiteness Theorems for Gromov-Hyperbolic Groups.

G erard Besson

Institut Fourier, Universit at Grenoble Alpes

Abstract. This is a joint work with G. Courtois, S. Gallot and A. Sambusetti. We shall prove that, given two positive numbers δ and H , there are finitely non-cyclic torsion-free δ -hyperbolic marked groups (Γ, Σ) satisfying $\text{Ent}(\Gamma, \Sigma) \leq H$, up to isometry (of marked groups). Here a marked group is a group Γ together with a symmetric generating set Σ and Ent is the entropy of the marked group. These notions will be defined precisely.