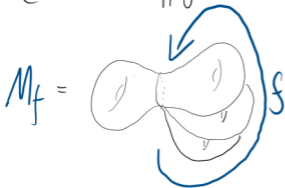


Consider a mapping torus of a $K(G, 1)$ where G is one of



- hyperbolic;
- total relatively hyperbolic;
- a right-angled Coxeter group.

Let $\Gamma = \pi_1 M_f$ and suppose Γ is residually finite. If f grows polynomially, then for every Farber sequence $(\Gamma_k)_{k \in \mathbb{N}}$ and all $j \geq 0$ we have

$$\lim_{k \rightarrow \infty} \frac{\log |H_j(\Gamma_k; \mathbb{Z})_{\text{tors}}|}{|\Gamma : \Gamma_k|} = 0$$

Sam Hughes

Based on joint work with

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