

Problems

D_1, D_2 quasi-isometric and property \mathbb{Z}
 $\stackrel{?}{\Rightarrow} D_1, D_2$ same (i^+, j^-) -type

"Classification" of infinite, fin. gen. groups

- G ... fin. gen. group with polynomial growth, no $g \in G$ with $g^2 = 1$
 Does there always exist a generating set S of G such that $C_d(G, S)$ is of type $(2^+, 2^-)$?
- Finitely generated groups with intermediate growth are of type $(1^+, 1^-)$?