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Andrew Penland* (adpenland@email.wcu.edu), NC. *Finitely Constrained Groups Having Almost Maximal Hausdorff Dimension.*

Finitely constrained groups are profinite groups of tree automorphisms defined by finite combinatorial patterns coming from finite group actions. We present some new families of topologically finitely generated, finitely constrained groups defined by patterns of size d and having Hausdorff dimension $1 - 2/2^{d-1}$ (which is the largest possible value for such a group). (Received September 23, 2015)