

1077-51-2347

Ian P Biringer*, 84 Nash St, #2, New Haven, WI 06511. *Invariant random subgroups of Lie groups.*

We'll describe a probabilistic variant of Gromov-Hausdorff convergence, inspired by Benjamini-Schramm convergence in graph theory, that we recently used to analyze the growth of betti numbers in higher rank locally symmetric spaces. Examples will be given in $\mathrm{PSL}(2, \mathbb{R})$.

Joint with Abert, Bergeron, Gelander, Nikolov, Raimbault, Samet. (Received September 22, 2011)