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Random Branched Covers of Finitely Presented Groups.

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Abstract:

We introduce a random model for branched covers for 2-complexes associated to a finitely presented group and prove that asymptotically almost surely, a random branched cover has Gromov hyperbolic fundamental group.

This is joint work with Hyeran Cho (OSU/Tufts) & Jean-Francois Lafont (OSU).