

“Group Theory International” Online Seminar

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“Nielsen equivalence in a class of random groups”

Thursday, April 17, noon (New York Time)

Abstract:

We show that for every $n \geq 2$ there exists a torsion-free one-ended word-hyperbolic group G of rank n admitting generating n -tuples (a_1, \dots, a_n) and (b_1, \dots, b_n) such that the $(2n - 1)$ -tuples

$$(a_1, \dots, a_n, \underbrace{1, \dots, 1}_{n-1 \text{ times}}) \text{ and } (b_1, \dots, b_n, \underbrace{1, \dots, 1}_{n-1 \text{ times}})$$

are not Nielsen-equivalent in G . The group G is produced via a probabilistic construction. This is joint work with Ilya Kapovich.

Next presentation: **May 1, TBA**