Zentralblatt–MATH

Rips, E.

An example of a non-LERF group which is a free product of LERF groups with an amalgamated cyclic subgroup. (English)

Isr. J. Math. 70, No.1, 104-110 (1990).

A group G is called LERF (locally extended residually finite) if for any elements $x_0, \ldots, x_k \in G$ with $x_0 \notin \langle x_1, \ldots, x_k \rangle$ there is a subgroup of finite index in G containing $x_1, \ldots, x_k$ but not x_0. The author constructs a group with the properties indicated in the title. A final note states that a finitely generated example is also to be published.

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AMS subject classification: 20E06;20E25;20E26;20E07
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