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Strong accessibility of finitely presented groups (with Lars Louder)

Abstract: We may think of the vertex groups of a free product with amalgamation or an HNN extension as being the pieces obtained by "cutting" a group along a subgroup. Hierarchical accessibility deals with the process of cutting a group into pieces, then cutting those pieces into pieces, etc.

With Lars Louder, I have obtained a positive hierarchical accessibility result (rescuing the approach of Delzant and Potyagailo that had a gap) for finitely presented groups "cut" along slender subgroups. I will present our main technical result and give some of its non-technical (and potentially) useful corollaries.