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Thibault Lescure: A noncommutative compactification of Bass-Serre Trees

jeudi 18 décembre 2025 16:00 (30 minutes)

When a group G acts properly on a tree T, it is a classical result that the action of G on the Gromov compactification X of the tree is amenable, i.e. the crossed product C(X)xG is nuclear. We will introduce an analogue of the crossed product C-*algebra C(X)xG in the context of fundamental C*-algebras of graph of C-*algebras (Fima,Freslon 2013). This C*-algebra has interesting features which leads to new proofs of results concerning approximation properties and KK-theory.