Polylogarithms, homology of linear groups, and Steinberg modules



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The common basis complex and the partial decomposition poset

Tuesday 10 June 2025 18:00 (50 minutes)

With Piterman-Welker, we showed that Rognes' common basis complex is homotopy equivalent to a certain poset of partial decompositions. I will give an idea of our mostly combinatorial argument and also mention other contexts to which it applies, such as symplectic groups, automorphisms of free groups and matroids.

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