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Bi-orderability of fundamental groups of 3-manifolds

In recent years there has been an effort to determine exactly which fundamental groups of 3-manifolds are left-orderable (also bi-orderable), most notably because these properties are conjectured to be connected with Heegaard-Floer homology. With the recent work of Agol and Wise, we now know that the fundamental group of every closed hyperbolic 3-manifold is *virtually* bi-orderable, yet the problem remains to precisely determine which fundamental groups are bi-orderable (not just virtually so). In this talk, I will outline exactly what is known thusfar in terms of bi-orderability of fundamental groups, as well as directions for future research.