

Aut-invariant quasimorphisms on free products

Speaker: Bastien Karlsrufer

Abstract: In this talk we will explicitly construct for free products of groups $A*B$ quasimorphisms that happen to be invariant under all automorphisms of $A*B$. We will obtain Aut-invariant quasimorphisms on various groups of geometric origin ranging from the braid group on three strands over fundamental groups of knot complements to some right angled Coxeter groups. As a further application we will discuss the non-triviality of an Aut-invariant analogue of stable commutator length recently introduced by Kawasaki and Kimura.