
YING HU, UQAM

Left-orderability and representations into subgroups of $\text{Homeo}_+(S^1)$

In this talk, I will discuss the relationship between left-orderability of a group and its representations into $\text{Homeo}_+(S^1)$, the homeomorphism group of a circle. In particular, I will show an equivalent relationship between certain 3-manifold groups being left-orderable and the existence of a representation of the group into a specific subgroup of $\text{Homeo}_+(S^1)$.