

THE CATEGORY OF ORBIT CLASSES

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The concept of orbit class was introduced by Bayeh and Sarkar to study topological spaces endowed with an action of a topological group. In particular, this concept has been used to compute some bounds for the equivariant LS-category and the invariant topological complexity, and it has been proved that in some cases the orbit class is a good replacement for the orbit type.

In this talk I will introduce the category of orbit classes and study some aspects of this category.