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Andrés Angel* (ja.angel1908@uniandes.edu.co). *Invariant topological complexity for proper actions of Lie groups*. Preliminary report.

We study invariant topological complexity, and related notions, for proper actions of Lie groups. In particular we study the behaviour of these invariants in the cases of free actions and more generally actions with only one isotropy type.

We try to extend some of these properties to a larger class of topological groups. (Received September 05, 2019)