

# Twisted Equivariant Cohomology and Orbifolds

Laura Scull \*

*Abstract.* I will present a new for defining equivariant cohomology for  $G$ -spaces, based on a categorical construction: we define a  $G$ -simplicial category as a Grothendieck twisted product. This category has been defined by Moerdijk-Svensson for discrete groups; I will explain the adaptations needed to make sense of this approach for general compact Lie groups. This new definition also allows us to extend the definition to orbifolds.

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