

The Cartan Model of Equivariant Cohomology

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Equivariant cohomology theory is a cohomology theory for spaces endowed with a Lie group action (manifolds, topological spaces, ...). The notion of equivariant cohomology plays an important role in symplectic geometry, representation theory and other areas of mathematics. I will give an introduction to the so-called Cartan model of equivariant cohomology, which was presented by Henri Cartan in 1950 as a modification of the complex of differential forms on a manifold.