

On the first homology of automorphism groups of G -manifolds

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We have been calculated the first homology group of the equivariant diffeomorphism, the equivariant Lipschitz homeomorphism group and the equivariant homeomorphism group of G -manifolds. Those first homology groups are quite different by the category of the automorphism group and reflect the feature of the category. We shall describe the results and give the outline of the proof.

References

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