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On the Validity of the Borel-Hirzebruch Formula for Topological Actions

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<u>Abstract:</u> We defined an equivalence among group actions and find sufficient conditions for actions of compact connected Lie groups on Euclidean spaces for which the topological version of the Borel-Hirzebruch formula holds.

Key Words: Lie group actions, characteristic classes, cohomology, classifiying spaces, weights.

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