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A Borsuk-Ulam Theorem for Heisenberg Group Actions

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 [Keywords](#)
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Abstract: Let $G=H_{2n+1}$ be a $(2n+1)$ -dimensional Heisenberg Lie group acts on $M=C^m-\{0\}$ and $M'=C^{m'}-\{0\}$ exponentially. By using Cohomological Index we proved the following theorem. If $f:M\{\to\}M'$ is a G -equivariant map, then $m\{\leq\}m'$.

Key Words: Borsuk-Ulam Type Theorem, Cohomological Index, Group Action.



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