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Title:	FREE ACTIONS OF SOME COMPACT GROUPS ON MILNOR MANIFOLDS
Authors:	Dey, Pinka (/jspui/browse?type=author&value=Dey%2C+Pinka) Singh, Mahender (/jspui/browse?type=author&value=Singh%2C+Mahender)
Keywords:	1991 Mathematics Subject Classification Euclidean plane 2 cohomology algebra Hausdorff space
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Citation:	Glasgow Mathematical Journal, 61(3), pp. 727-742
Abstract:	In this paper, we investigate free actions of some compact groups on cohomology real and complex Milnor manifolds. More precisely, we compute the mod 2 cohomology algebra of the orbit space of an arbitrary free \mathbb{Z}_2 and \mathbb{Z}_3 -action on a compact Hausdorff space with mod 2 cohomology algebra of a real or a complex Milnor manifold. As applications, we deduce some Borsuk–Ulam type results for equivariant maps between spheres and these spaces. For the complex case, we obtain a lower bound on the Schwarz genus, which further establishes the existence of coincidence points for maps to the Euclidean plane.
URI:	https://www.cambridge.org/core/journals/glasgow-mathematical-journal/article/free-actions-of-some-compact-groups-on-milnor-manifolds/ED52A031C87736D814968B8CE3618784 (https://www.cambridge.org/core/journals/glasgow-mathematical-journal/article/free-actions-of-some-compact-groups-on-milnor-manifolds/ED52A031C87736D814968B8CE3618784) http://hdl.handle.net/123456789/2284 (http://hdl.handle.net/123456789/2284)
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