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Title:	Some remarks on the parametrized Borsuk–Ulam theorem
Authors:	Singh, Mahender (/jspui/browse?type=author&value=Singh%2C+Mahender)
Keywords:	Borsuk–Ulam theorem Euler class Fibrewise map
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Citation:	Journal of Fixed Point Theory and Applications, 20(2).
Abstract:	Given a locally trivial fibre bundle $E \rightarrow B$ (with fibres and base finite complexes), an orthogonal real line bundle λ over E and a real vector bundle ξ over B , we consider a fibrewise map $f: S(\lambda) \rightarrow \xi$ over B defined on the unit sphere bundle of λ . Following the fundamental work of Jaworowski and Dold on the parametrized Borsuk–Ulam theorem, we investigate lower bounds on the cohomological dimension of the set $\{v \in S(\lambda) \mid f(v) = f(-v)\}$.
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