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Generalized Equivariant Cohomology and Stratifications I

Given a compact torus T , we describe the generalized T -equivariant cohomology E_T^* of smooth projective varieties admitting an equivariant stratification, with particular emphasis placed on equivariant singular cohomology, K -theory, and complex cobordism. We further explore the utility of our result in deducing the E_T^* -module structure for spaces with finitely many T fixed points. This is joint work with Peter Crooks.