KV-COHOMOLOGY OF CONTACT MANIFOLDS

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Abstract

Given a contact manifold (M, a) the group of a-preserving diffeomorphisms is denoted by $G(a)$.We construct a Koszul-Vinberg chain complex $C(a)$ on which $G(a)$ acts by chaincomplex homomorphism. The $G(a)$-equivariant cohmology spaces of $C(a)$ produce new contact invariants.

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