

S^1 -EQUIVARIANT SYMPLECTIC CAPACITIES OF DISK COTANGENT BUNDLES

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Abstract: The motivation for this talk is to compute symplectic capacities defined from S^1 -equivariant symplectic homology for examples beyond toric domains. I propose a conjectural formula which computes capacities of disk cotangent bundles of Riemannian manifolds (with boundaries) from (equivariant) homology of loop spaces. Then I discuss a few examples, including ones with ‘hyperbolic’ dynamical behavior.