

ON THE VITERBO CONJECTURE ABOUT LAGRANGIAN SPECTRAL NORMS

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Abstract: On the Viterbo conjecture about Lagrangian spectral norms

Let G be a compact Lie group and let $M = G/H$ be a G -homogeneous space, equipped with an invariant metric. We prove that the spectral norm of any compact exact Lagrangian submanifold of the cotangent bundle T^*M is bounded in terms of the diameter and dimension of G . Our proof is by sheaf theoretical methods; it recovers some results of Shelukhin and gives some other cases.

This is a joint work in progress with Nicolas Vichery.