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Rigidity for positive loops in contact geometry

GESTA 2014 Roger Casals

In this talk we will discuss the existence of lower bounds for the norms of contact Hamiltonians generating positive loops of contactomorphisms. First, the existence of a lower bound for the C^1 -norm will be explained. Then we will focus on overtwisted contact manifolds and show that such a lower bound also exists for the C^0 -norm.