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Peter Spaeth*, One Research Circle, K1-454A, Niskayuna, NY 12309. *The symplectic displacement energy.*

We define a symplectic displacement energy for subsets of a symplectic manifold via Banyaga's Hofer-like metric on the identity component of the group of symplectic diffeomorphisms. This generalizes a theorem of Eliashberg-Polterovich for the Hofer displacement energy. The talk is based on a joint work with Augustin Banyaga and David Hurtubise. (Received September 10, 2014)