

1050-53-16

Ely Kerman* (ekerman@math.uiuc.edu). *Hofer's geometry and Maslov class rigidity.*

A path of Hamiltonian diffeomorphisms which does not minimize the Hofer length functional has closed orbits with special properties. These orbits can be related to several symplectic rigidity phenomena. In this talk I will describe the how these special periodic orbits can be used to determine new restrictions on the Maslov class of displaceable Lagrangian submanifolds. (Received January 03, 2009)