

1050-53-36

Mike Chance* (mchance@math.sunysb.edu). *Degenerate Maxima for Hamiltonian Loops*. Preliminary report.

We examine degenerate global maxima for loops of Hamiltonian symplectomorphisms. We show that global maxima and minima cannot be completely degenerate. We also show implications for the structure of the group of Hamiltonians for symplectic 4 manifolds. (Received January 27, 2009)