A Smith inequality for fixed point Floer cohomology.

We will describe an analogue of the classical Smith inequality for cyclic group of prime order $p$ for fixed point Floer cohomology, which compares the ranks of the fixed point Floer cohomology of a symplectomorphism to its $p$-th iterations. The proof uses a construction of an equivariant $p$-th power map. This work in progress is based on the previous work by P. Seidel in the case of $p=2$. (Received September 20, 2017)