BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

A SMITH INEQUALITY FOR FIXED POINT FLOER COHOMOLOGY

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November 1, 2017, 4:00 – 5:00pm
Math/Computer Science, Room 148
111 Cummington Street, Boston

Tea: 3:45pm in Room 144

Abstract: 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, which can be viewed as a noncommutative version of the classical Frobenius map. This work in progress is based on the previous work by P. Seidel in the case of $p = 2$.

See `http://math.bu.edu/research/geom/seminar.html` or contact Yoosik Kim (*yoosik@bu.edu*) or Siu-Cheong Lau (*lau@math.bu.edu*) for more information.