

1135-51-1907

Sara Venkatesh* (venkatesh@math.columbia.edu). *Rabinowitz Floer homology and mirror symmetry.*

Rabinowitz Floer homology is a useful Floer theory for studying contact hypersurfaces in symplectic manifolds. Using intuition from mirror symmetry, I will illustrate how the Rabinowitz Floer homology of a bounding hypersurface detects elements of the Fukaya category living in the hypersurface. This result can be generalized to symplectic cohomology theories for cobordisms. (Received September 25, 2017)