

1072-57-108

Yi-Jen Lee* (yjlee@math.purdue.edu), **Taubes** and **Kutluthan**. *The sutured monopole Floer homology of $M(1)$.*

I will describe certain variants of Kronheimer-Mrowka's definition of sutured monopole Floer homology. In particular, the relation between the monopole Floer homologies of a closed 3-manifold M and its corresponding sutured manifold $M(1)$ plays a part in proving the equivalence between monopole Floer homology and Heegaard Floer homology of closed 3-manifolds. (Received June 23, 2011)