

Isabella Khan

Title: The Heegaard Floer d-invariant for rational homology spheres

Abstract: The Heegaard Floer d-invariant is a numerical invariant of rational homology spheres which is analogous to the Frøyshov h-invariant from Instanton theory. In this talk, we use Zemke's recent isomorphism between Lattice Floer and Heegaard Floer homology to compute the d-invariant for all rational homology spheres which arise as negative definite plumbed manifolds, verifying a conjecture of Némethi.