

1112-54-631

Forrest Gordon* (fgordo2@lsu.edu) and **Peter Lambert-Cole**. *Knot Floer homology of pretzel knots.*

A null-homologous knot K in a closed 3-manifold Y induces a filtration on the Heegaard Floer homology of Y , and the filtered homotopy type is a powerful knot invariant referred to as the knot Floer homology of K . In this talk, we consider the family of all pretzel knots $K = P(t_1, \dots, t_n)$ in S^3 . We describe the computation of the knot Floer homology groups and the accompanying concordance invariants of these knots. (Received August 11, 2015)