

1106-57-1096

Jennifer Hom* (hom@math.columbia.edu). *An infinite rank summand of topologically slice knots*. Preliminary report.

Let T denote the subgroup of the smooth knot concordance group generated by topologically slice knots. Endo showed that T contains an infinite rank subgroup, and Livingston and Manolescu-Owens showed that T contains a summand of rank three. We show that in fact T contains an infinite rank summand. The proof relies on the knot Floer homology package of Ozsvath-Szabo and the concordance invariant epsilon. (Received September 10, 2014)