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

Let C_{TS} be the subgroup of the smooth knot concordance group generated by topologically slice knots. Endo showed that C_{TS} contains an infinite rank subgroup, and Livingston and Manolescu-Owens showed that C_{TS} contains a \mathbb{Z}^3 summand. We show that in fact C_{TS} contains a \mathbb{Z}^∞ summand. The proof relies on the knot Floer homology package of Ozsváth-Szabó and the concordance invariant ε . (Received September 10, 2013)