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Title: Topologically and rationally slice knots

Abstract: A knot in S^3 is topologically slice if it bounds a locally flat disk in B^4 . A knot in S^3 is rationally slice if it bounds a smooth disk in a rational homology ball. We prove that the smooth concordance group of topologically and rationally slice knots admits a \mathbb{Z}^∞ subgroup. All previously known examples of knots that are both topologically and rationally slice were of order two. This is an ongoing joint work with Jennifer Hom and JungHwan Park.