
RADU CEBANU, UQAM

Knots in lens spaces with $S^1 \times S^2$ surgeries

We use Heegaard-Floer methods to investigate when a knot in a lens space has a longitudinal $S^1 \times S^2$ surgery. The main result is that such a knot has a genus 0 generalized Seifert surface. Further restrictions on its Knot Floer Homology will be given and then some related questions and conjectures will be formulated.