

Lens space surgeries and L -space homology spheres

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Which knots in S^3 have lens space surgeries? A conjecturally complete answer to this question was given by Berge. I'll explain how Heegaard Floer homology can be used to reformulate Berge's conjecture in terms of two other problems: one a question about numbers, and the other a (rather different) problem about knots in lens spaces.

1:00 p.m.
Math 507
Columbia University