

Involutions on 3-manifolds and Khovanov homology

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Given a manifold with torus boundary, together with an appropriate involution, it is possible give obstructions to certain exceptional surgeries using Khovanov homology. In particular, obstructions to lens space surgeries, as well as obstructions to finite fillings may be obtained. This talk will explain how these obstructions arise, and attempt to compare them with strong obstructions arising in Heegaard-Floer homology.

1:00 p.m.
Math 520
Columbia University