

1046-57-969

Liam Watson* (liam.watson@cirget.ca), Département de mathématiques, UQAM, C.P. 8888, Succursale Centre-ville, Montreal, Quebec H2V2P4, Canada. *Involutions on 3-manifolds and Khovanov homology.*

Given a 3-manifold with torus boundary, together with an appropriate involution, there is a natural two-fold branched cover of the 3-sphere obtained by filling the boundary with a solid torus. This talk will illustrate a relationship between the geometry of the filled manifold and the Khovanov homology of the branch set. (Received September 13, 2008)