

1017-55-101

Juan Ariel Ortiz-Navarro* (juan-ortiznavarro@uiowa.edu), 470 N 1st Ave. Apt. 205, Iowa City, IA 52245. *Khovanov Homology and Reidemeister Torsion*.

The Reidemeister Torsion construction can be applied to the chain complex that is used to compute the Khovanov homology of a knot or a link. This defines a volume form on Khovanov homology. The volume form transforms correctly under Reidemeister moves to give an invariant volume on the Khovanov homology. In this talk we will look at its definition and see what it looks like in simple examples. (Received February 15, 2006)