

1105-57-224

Stefan Friedl and **Daniel S Silver*** (silver@southalabama.edu), Dept. of Mathematics and Statistics, University of South Alabama, Mobile, AL 36688, and **Susan G Williams**. *The Turaev and Thurston norms*. Preliminary report.

Thurston introduced in 1976 a norm on the first cohomology of a 3-manifold. Inspired by this definition Turaev introduced in 2002 a norm on the first cohomology of a finite 2-complex. We show that if N is the exterior of a link in a rational homology sphere, then the Thurston norm agrees with a suitable variation of the Turaev norm defined on any 2-skeleton of N . (Received September 21, 2014)