1006-57-232 **Charles Frohman** and **Joanna Kania-Bartoszynska*** (`jkaniaba@nsf.gov`), National Sience Foundation, 4201 Wilson Blvd., Room 1025, Arlington, VA 22230. *Turaev-Viro invariant and the Reidemeister torsion.*

We investigate the asymptotics of the Turaev-Viro invariant of a homology sphere and show that it is related to the total Reidemeister torsion of the manifold. (Received February 15, 2005)