

1058-57-6

**Charles D Frohman\*** ([moss1956@gmail.com](mailto:moss1956@gmail.com)), The Department of Mathematics, The University of Iowa, Iowa City, IA 52242, and **Joanna M Kania-Bartoszyńska** ([jkaniaba@nsf.gov](mailto:jkaniaba@nsf.gov)), National Science Foundation, 4201 Wilson Bvd, Arlington, VA 22230. *Reidemeister Torsion and the A-polynomial.*

We define a seminorm on the coordinate ring of the pillowcase using Reidemeister torsion. If the character variety of the knot is sufficiently nonsingular it detects the character variety of the knot complement. We derive a formula for the seminorm that makes it look like a limit of quantum invariants. (Received August 14, 2009)