

1162-57-134

Razvan Gelca* (rgelca@gmail.com), Mathematics and Statistics, Texas Tech University, Lubbock, TX 79409, and **Cezar Lupu** (cezar.lupu@ttu.edu), Department of Mathematics and Statistics, Texas Tech University, Lubbock, TX 79409. *Weil's action of the Heisenberg group on theta functions and the colored Jones polynomials of torus knots.*

We will explain how the action of the finite Heisenberg group on theta functions can be used for understanding the colored Jones polynomials of torus knots and give a quick proof of the formula for these invariants. (Received August 29, 2020)