

1116-16-734

**Chelsea Walton\*** (notlaw@temple.edu), 1805 N. Broad Street, Philadelphia, PA 19122. *Finite dimensional Hopf actions on Weyl algebras.*

We prove that any action of a finite dimensional Hopf algebra  $H$  on a Weyl algebra  $A$  over an algebraically closed field of characteristic zero factors through a group action. In other words, Weyl algebras do not admit genuine finite quantum symmetries. This is joint work with Juan Cuadra and Pavel Etingof.

Note: The title, abstract, and coauthors are subject to change. (Received September 11, 2015)