1139-20-65   **Christopher M Drupieski*** (`c.drupieski@depaul.edu`) and **Jonathan R Kujawa**.
Cohomology and support varieties for unipotent supergroup schemes.

An affine supergroup scheme is a representable functor from the category of commutative superalgebras to the category of groups. Put another way, an affine supergroup scheme is a (affine) group scheme object in the category of $\mathbb{Z}/2$-graded vector spaces. The category of *finite* supergroup schemes is equivalent to the category of finite-dimensional cocommutative Hopf superalgebras. In this talk, I will discuss progress to date in trying to understand the cohomology of finite supergroup schemes. In particular, I will discuss recent joint work with Jonathan Kujawa in which we describe the cohomology spectrum for some unipotent finite supergroup schemes. (Received January 25, 2018)