

Department of Mathematics, BGU

Colloquium

On Tuesday, December ,25 2018

At 14:30 – 15:30

In Math 101-

Vera Serganova (University of California, Berkeley)

will talk about

Borel-Weil-Bott theorem for algebraic supergroups and weak BGG reciprocity

Abstract: We will review some results about superanalogue of Borel-Weil-Bott theorem, explain the role of Weyl groupoid and prove a weak version of BGG reciprocity. Then we illustrate how BGG reciprocity can be used for computing the Cartan matrix of the category of finite dimensional representations of the nontrivial central extension of the periplectic supergroup $P(4)$.