

1144-20-243

**Caroline Gruson** and **Vera Serganova\*** ([serganov@math.berkeley.edu](mailto:serganov@math.berkeley.edu)), UC Berkeley,  
Department of Mathematics, Berkeley, CA 94720. *Geometric approach to the fermionic Fock space,  
via flag varieties and representations of algebraic (super)groups.*

We use parabolic induction and restriction functors for the family of algebraic supergroups to categorify the representation of Clifford algebra in the Fock space. (Received August 27, 2018)