1046-20-185 **Jill E. Tysse*** (`tysse@hood.edu`), Department of Mathematics, Hood College, 401 Rosemont Avenue, Frederick, MD. *The Centers of Spin Hyperoctahedral Group Algebras.*

Generalizing the work of Farahat-Higman, we describe the even centers $\mathcal{Z}(Z_n)$ of integral spin hyperoctahedral group superalgebras, leading to universal algebras: the spin FH-algebras. We establish that the spin FH-algebra associated to the hyperoctahedral group is isomorphic to the spin FH-algebra associated to the spin symmetric group. Using this, we determine the algebra generators of the spin FH-algebras and of the even centers which turn out to involve odd Jucys-Murphy elements and Catalan numbers. (Received August 25, 2008)