1086-16-1499 **Manizheh Nafari*** (manizheh.nafari@gmail.com), The University of Toledo, Department of Mathematics and Statistics, MS9, 2801 W. Bancroft Street, Toledo, OH 43606-3390, and **Michaela Vancliff** (vancliff@uta.edu), University of Texas at Arlington, P.O.Box 19408, Arlington, TX 76019. *Regualr Graded Skew Clifford Algebras that are Twists of Regular Graded Clifford Algebras.*

M. Artin, W. Schelter, J. Tate, and M. Van den Bergh introduced the notion of non-commutative regular algebras, and classified regular algebras of global dimension 3 on degree-one generators by using geometry (i.e., point schemes) in the late 1980s. Recently, T. Cassidy and M. Vancliff generalized the notion of a graded Clifford algebra and called it a graded skew Clifford algebra.

In this talk, We prove that if A is a regular graded skew Clifford algebra and is a twist of a regular graded Clifford algebra B by an automorphism, then the subalgebra of A generated by a certain normalizing sequence of homogeneous degree-two elements is a twist of a polynomial ring by an automorphism, and is a skew polynomial ring. We also present an example that demonstrates that this can fail when A is not a twist of B. (Received September 22, 2012)