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**Manizheh Nafari** (manizheh@uta.edu), **Michaela Vancliff\*** (vancliff@uta.edu) and **Jun Zhang** (zhangjun19@gmail.com). *Classifying quadratic quantum planes using graded skew Clifford algebras.*

Graded skew Clifford algebras (GSCAs) are quantized analogs of graded Clifford algebras (GCAs) and were defined by the speaker and T. Cassidy. Like a GCA, many algebraic and homological properties of a GSCA may be read off from a certain system of (noncommutative) quadrics associated to the GSCA. This talk will focus on work of the speaker with M. Nafari and J. Zhang that proves that most quadratic quantum planes can be classified using GSCAs. (Received December 09, 2011)