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Graded Skew Clifford Algebras

The talk will focus on a generalization of graded Clifford algebras, called graded skew Clifford algebras. Regularity of such algebras is determined by a simple geometric condition. Some families of examples of such algebras will be presented that are regular quadratic algebras of global dimension four having a finite point scheme (typically twenty distinct points) and a one-dimensional line scheme.

The work discussed is joint with Thomas Cassidy.