

# Queen's Algebraic Geometry — Seminar —

## NON-COMMUTATIVE DESINGULARIZATION OF THE GENERIC DETERMINANT

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### Abstract

I will describe a non-commutative, purely algebraic, analogue of geometric resolutions of singularities, inspired by the McKay correspondence. I'll then discuss joint work with Ragnar-Olaf Buchweitz and Michel Van den Bergh in which we show that the generic determinant admit such a desingularization, which can be described by a "Quiverized Clifford Algebra".

Monday, February 6, 2006  
4:00pm – 5:00pm  
202 Jeffery Hall