Queen's Algebraic Geometry
— Seminar —

Hypercomplex structures on instanton moduli spaces

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Abstract

In this talk, we discuss instanton moduli spaces on certain hypercomplex surfaces, namely, hyperkahler surfaces with torsion, i.e., HKT-surfaces. We will show that these moduli spaces not only admit a hypercomplex structure, but also inherit a natural HKT-structure from the surfaces. This is joint work with Misha Verbitsky.

Monday, March 27, 2006
4:00pm – 5:00pm
202 Jeffery Hall