

Queen's Algebraic Geometry — Seminar —

GERBY LOCALIZATION AND GW THEORY OF $[\mathbb{C}^3/\mathbb{Z}_3]$

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Abstract

In this talk we will discuss a successful approach to the computation of orbifold Gromov-Witten invariants. Such invariants are interpreted in terms of G -Hodge integrals. Relations among G -Hodge integrals are obtained via Atiyah-Bott localization. In order to find sufficiently many relations, auxiliary integrals on moduli spaces of maps to gerbes over \mathbb{P}^1 are used.

Monday, February 4, 2008
4:30pm – 5:30pm
319 Jeffery Hall