

The Oliver Club

www.math.cornell.edu/~oliver/

Stringy Invariants of Manifolds with Group Actions

We introduce a noncommutative ring associated to an almost complex manifold with the action of a finite group called its stringy cohomology whose ring of invariants yield the so-called Chen-Ruan orbifold cohomology of the quotient orbifold. We give a simple new definition of these invariants and describe some of its generalizations.



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Refreshments will be served at 3:55 PM in the Mathematics Department lounge (532 Malott Hall).

**Thursday, October 19, 2006
at 4:25 PM in 406 Malott Hall**