# Stanford Algebraic Geometry
# — Seminar —

## QUANTUM RIEMANN-ROCH FOR ORBIFOLDS

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**Abstract**

One way of proving the mirror formula for quintic threefold, due to Coates-Givental, is by studying the so-called twisted Gromov-Witten invariants. In this talk, we will discuss the twisted invariants for orbifold target spaces. We will describe the orbifold Quantum Riemann-Roch theorem, which relates these invariants to the usual orbifold Gromov-Witten invariants. If time permitted, we will discuss some applications.

Friday, May 27
3:15 p.m.
Room 383-N

http://math.stanford.edu/~vakil/s0405/