

Rahul Pandharipande: **Cycles on the moduli space of curves**

I will discuss recent progress in the study of the tautological ring of the moduli space of curves: Pixton's relations, r -spin curves, double ramification cycles, and the Chern characters of the Verlinde bundle. The associated formulas, related to the Givental-Teleman classification of semisimple CohFTs, point to a new calculus of the moduli of curves.