

Week of August 22-26

Speaker: Alexei Oblomkov

Titles and Abstracts:

GW/Hurwitz correspondence for curves

I will explain above-mentioned correspondence, due to Okounkov and Pandharipande. As application, we get Toda equations for the generating function of the relative GW invariants of P^1 .

Equivariant GW theory of P^1

I will explain how Okounkov-Pandharipande compute the relative GW invariants of P^1 in terms some beautiful operators on the Fock space. Some parts of the argument can be simplified with methods from the paper of Oblomkov-Okounkov-Pandharipande.

Descendent GW/PT correspondence via vertex operators

I will explain joint paper with Okounkov-Pandharipande where we derive the stationary descendent GW/PT correspondence for compact toric threefolds.