

Representation Theory, Geometry & Combinatorics Seminar

Organizer: M. Haiman and K. Reshetikhin

Wednesday, 4:00–6:00pm, 939 Evans

Feb. 25 **Matthew Szczesny**, Boston U.

Moduli problems and localization functors in orbifold CFT

Conformal field theory (CFT) yields a mechanism for producing interesting D-modules on moduli spaces of curves and bundles. We consider localization functors which arise in orbifold CFT, where the above geometric objects are replaced with analogues possessing discrete symmetries, such as (non-abelian) Prym-type stacks.

The first part of the talk will be devoted to giving a geometric treatment of CFT in the language of chiral algebras.