

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

QUASIMAP WALL-CROSSING FOR GIT QUOTIENTS

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April 17, 2019, 4:00 – 5:00pm
Math/Computer Science, Room 148
111 Cummington Street, Boston

Tea: 3:45pm in Room 144

Abstract: For a large class of GIT quotients $X = W//G$, Ciocan-Fontanine–Kim–Maulik and many others have developed the theory of epsilon-stable quasimap invariants. They are conjecturally equivalent to the Gromov–Witten invariants of X via explicit wall-crossing formulae, which have been proved in many cases, including targets with good torus action and complete intersections in a product of projective spaces.

In this talk, we will give a proof for all targets in all genera. The main ingredient is the construction of some moduli space with \mathbb{C}^* action whose fixed-point loci precisely correspond to the terms in the wall-crossing formulae.

See <http://math.bu.edu/research/geom/seminar.html> or contact Yoosik Kim (yoosik@bu.edu) or Siu-Cheong Lau (lau@math.bu.edu) for more information.