

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

DISC POTENTIALS OF EQUIVARIANT LAGRANGIAN FLOER THEORY

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September 18, 2019, 4:00 – 5:00pm
Math/Computer Science, Room B39
111 Cummington Street, Boston

Tea: 3:45pm in Room B24

Abstract: In this talk, I will introduce a Morse model of G -equivariant Lagrangian Floer theory constructed in a joint work with Kim and Lau. When applied to regular moment map fibers of a Fano toric manifold, the T -equivariant disc potential reproduces the T -equivariant Landau-Ginzburg mirror found by Givental. For certain immersed Lagrangians in toric Calabi-Yau manifold, the T -equivariant disc potentials are closely related to the open Gromov-Witten invariants of Aganagic-Vafa branes, which were studied by Katz-Liu, Graber-Zaslow, Fang-Liu-Zong and many others using localization techniques. The later result is a work in progress joint with Hong, Kim and Lau.

See <http://math.bu.edu/research/geom/seminar.html> or contact Yu-Shen Lin (yslin@bu.edu) or Siu-Cheong Lau (lau@math.bu.edu) for more information.