

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

**NONDISPLACEABLE LAGRANGIAN TORI IN
DEL PEZZO SURFACES.**

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May 9, 2018, 2:00 – 3:00 pm
Math/Computer Science, Room 148
111 Cummington Street, Boston

Abstract: By computing the Gromov-Witten disk potential function of a Lagrangian torus we can learn that whether this torus has nontrivial Floer cohomology. In this talk we describe a deformation approach to do toric degeneration of a semi-Fano toric surface to compute certain open Gromov-Witten invariants. As an application we obtain new families of nondisplaceable Lagrangian tori in del Pezzo surfaces when the degree $d = 4, 5, 6, 7$.

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.