

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

**ON THE CORRESPONDING THEOREM
BETWEEN TROPICAL AND HOLOMORPHIC
DISCS**

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February 17, 2016, 4:00 – 5:00pm
Math/Computer Science, Room B19
111 Cummington Street, Boston

Tea: 3:45pm in Room 144

Abstract: In this talk we will define two enumerative invariants on K3 surfaces. First is a reduced open Gromov-Witten invariants which naively count the number of holomorphic discs. The second one is the weighted count of tropical discs on K3 surfaces which satisfying the Kontsevich-Soibelman wall-crossing formula. At the end, we will use Floer theory to derive a corresponding theorem between the open Gromov-Witten invariants and the tropical invariants on K3 surfaces for primitive classes.

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