

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

**ON THE DISK COUNTING INVARIANTS ON
ELLIPTIC K3 SURFACES AND HYPERKAHLER
METRIC**

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Sep. 19, 2012, 4:00 – 5:00pm
Math/Computer Science, Room B21
111 Cummington Street, Boston

Tea: 3:45pm in Room 144

Abstract: Strominger-Yau-Zaslow conjecture suggests that the explicit form of Ricci-flat metric on Calabi-Yau manifolds might be related to some counting problems. In this talk, we will define an open Gromov-Witten type invariant, which is expected to be equivalent to the generalized Donaldson-Thomas invariants in the twistor construction of hyperKähler metric by Gaiotto-Moore-Neitzke and explain the instanton correction explicitly.

See <http://math.bu.edu/research/geom/seminar.html> or contact Takashi Kimura kimura@math.bu.edu for more information.