ON THE DISK COUNTING INVARIANTS ON ELLIPTIC K3 SURFACES AND HYPERKÄHLER METRIC

Yu-Shen Lin
Harvard University

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.