BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

WEIL-PETERSSON GEOMETRY ON THE SPACE OF BRIDGELAND STABILITY CONDITIONS

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February 14, 2018, 4:00 – 5:00pm
Math/Computer Science, Room B21
111 Cummington Street, Boston

Tea: 3:45pm in Room B21

Abstract: Inspired by mirror symmetry, we investigate some differential geometric aspects of the space of Bridgeland stability conditions on a Calabi-Yau triangulated category. The aim is to develop theory of Weil-Petersson geometry on the stringy Kähler moduli space. A few basic examples are studied. In particular, we identify our Weil-Petersson metric with the Bergman metric on a Siegel modular variety in the case of the self-product of an elliptic curve.

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.