

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

ELLIPTIC HYPERTORIC VARIETIES AND MIRROR SYMMETRY

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CCDS 365, Nov 15, 2023, 4-5pm

Tea: 3:45pm in Room 365

Abstract: In this talk, we introduce an elliptic analogue of hypertoric varieties defined using a procedure similar to holomorphic symplectic reduction. We will also introduce a version of Hikita's isomorphism relating the torus fixed loci in the deformation space of an elliptic hypertoric variety and the equivariant elliptic cohomology of the dual additive hypertoric variety. If time permits, we will also discuss the 2d mirror symmetry between elliptic hypertoric varieties and Dolbeault hypertoric manifolds originally defined by Hausel and Proudfoot. This is based on joint works with Conan Leung.

See <http://math.bu.edu/research/geom/seminar.html> or contact Yu-Shen Lin (yslin@bu.edu) or Brian Williams (bwill22@bu.edu) for more information.