

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

LOCAL ELLIPTIC ORBIFOLDS AND MONODROMY

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CCDS 365, Feb 8, 2023, 4-5pm

Tea: 3:45pm in Room 365

Abstract: Elliptic orbifolds are weighted projective lines with interesting connections to toroidal algebras in geometric representation theory and to F-theory and the Minahan-Nemeschansky exceptional superconformal theories in physics. I will describe the structure of equivariant deformations of moduli spaces associated to local elliptic orbifolds and deduce formulas for the action of monodromy operators in equivariant cohomology of these geometries with applications to their enumerative invariants.

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.