BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

DEGENERATIONS OF CALABI-YAU MANIFOLDS

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Oct 30, 2013, 4:00 – 5:00pm
Math/Computer Science, Room 148
111 Cummington Street, Boston

Tea: 3:45pm in Room 144

Abstract: : I will discuss the problem of understanding how Ricci-flat Calabi-Yau manifolds can degenerate in families. When the volume does not approach zero, the degeneration is well understood. On the other hand when the volume goes to zero, we expect to see collapsing to lower-dimensional spaces. This case is relevant to the Strominger-Yau-Zaslow picture of mirror symmetry. I will present some results in this direction which are joint work with Mark Gross and Yuguang Zhang.

See http://math.bu.edu/research/geom/seminar.html or contact Si Li
sili@math.bu.edu for more information.