ON THE CHANGE OF GROMOV-WITTEN THEORY UNDER EXTREMAL TRANSITIONS

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Math/Computer Science, Room B39
111 Cummington Street, Boston

Tea: 3:45pm in Room B24

Abstract: Extremal transitions are a topological surgery that conjecturally connects the moduli space of Calabi-Yau 3-folds (often known as “Reid’s Fantasy”). Through extremal transitions, we may be able to build new mirror pairs from old ones, provided we understand how mirror symmetry is preserved. In this talk, I will outline a conjectural framework that relates the genus zero Gromov-Witten theory under an extremal transition. I will explain how it works for a large family of extremal transitions among toric hypersurfaces.

See http://math.bu.edu/research/geom/seminar.html or contact Yu-Shen Lin (yslin@bu.edu) or Siu-Cheong Lau (lau@math.bu.edu) for more information.