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Topology of local symplectic conifold transitions on CP^1-bundles

Wednesday, October 12, 2016 10:00 AM (30 minutes)

Symplectic conifold transitions are certain symplecitc surgeries on symplectic 6-manifolds introduced by I.Smith, R.P.Thomas and S.-T.Yau. It is an open question that if symplectic conifold transitios preserve Kahler structures. In this talk we will recall some related basic notions and motivations, and then discuss some results on local symplectic conifold transitions on all CP^1-bundles over symplectic 4-manifolds.

Presenter: JIANG, Yi (Yau Mathematical Sciences Center Tsinghua University)