Hermitian-Yang-Mills connections under conifold transition.

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Abstract

Fu, Li, and Yau proved the existence of balanced metrics on certain non-Kähler manifolds which are obtained by conifold transitions of Calabi-Yau threefolds. In this talk, I will describe a result concerning the existence of Hermitian-Yang-Mills connections on holomorphic vector bundles with respect to Fu-Li-Yau’s metric.

Wednesday, 1 February 2012
4:00 pm
Smith Hall 204
Tea and refreshments will be served at 3:45pm.

http://math.newark.rutgers.edu/~xiaowwan/Colloquium/