

GEOMETRIC ANALYSIS SEMINAR

Speaker: Ruadhai Dervan
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Date: Thursday, March 21, 2019

Time: 11:00 AM

Location: 258 Hurley Hall



Lecture Title:

The Kahler geometry of fibrations

Abstract

One can view a Hermite-Einstein metric on a holomorphic vector bundle over a Kähler manifold as giving a canonical choice of Fubini-Study metrics on the projectivisation. Hong used this interpretation to construct certain canonical Kähler metrics on projective bundles. I will discuss an analogous result for more general Fano fibrations. This is joint work (in progress) with Lars Sektnan.