
GORDON HEIER, University of Houston

Projective Kaehler manifolds of semi-negative holomorphic sectional curvature

We will discuss semi-positivity theorems for the canonical class of projective Kaehler manifolds of semi-negative holomorphic sectional curvature. The structure of such manifolds can be understood especially well under the additional assumption of positive (in particular, maximal) Albanese dimension. The methods used are a mixture of differential geometric and algebraic geometric techniques. This is joint work with Steven Lu and Bun Wong.