

Rational curves on compact Kähler manifolds

A.Hoering

Rational curves on compact Kähler manifolds Rational curves play a crucial role in the classification of projective manifolds via the minimal model program (MMP). The construction of these curves on projective manifolds or low-dimensional Kähler manifolds is based on deformation theory of curves and, in the projective case, reduction to positive characteristic. In this talk I will present a new strategy to construct rational curves via a “subadjunction formula for adjoint cohomology classes”. This is joint work with Junyan Cao.