

PROGRAMME THÉMATIQUE  
« POINTS RATIONNELS, COURBES RATIONNELLES ET COURBES ENTIÈRES SUR LES VARIÉTÉS ALGÈBRIQUES »  
3–28 JUIN, 2013

THEMATIC PROGRAM  
“RATIONAL POINTS, RATIONAL CURVES AND ENTIRE HOLOMORPHIC CURVES ON ALGEBRAIC VARIETIES”  
JUNE 3–28, 2013

## On positive curvature and the existence of rational curves

Gordon Heier \*

heier@math.uh.edu

URL : [www.math.uh.edu/~heier](http://www.math.uh.edu/~heier)

---

I will show how various assumptions of positive curvature for a projective Kaehler manifold imply the existence of many rational curves. Key technical tools used will be the MRC fibration and the equivalence of non-uniruledness with the pseudoeffectivity of the canonical line bundle.

*This is joint work with Bun Wong.*

---

\*Department of Mathematics, University of Houston, 4800 Calhoun Road, Houston, TX 77004, USA.