1108-14-75

Qile Chen (q_chen@math.columbia.edu), Rm 628, MC 4421, 2990 Broadway, New York, UT 10027, and Yi Zhu* (yzhu@math.utah.edu), Math Department, 155 S 1400 E ROOM 233, Salt Lake City, UT 84112. Log rationally connected varieties.

A smooth quasiprojective complex variety is *log rationally connected* if a general pair of points is contained in the image of a morphism from the affine line. This generalizes the class of rationally connected varieties to the non-proper setting. In this talk, I will report the recent progress on the geometry, topology and arithmetics of log rationally connected varieties. (Received December 29, 2014)