

1116-14-1529      **Lorenzo Prelli\*** ([lorenzop@uw.edu](mailto:lorenzop@uw.edu)), University of Washington, Department of Mathematics,  
Box 354350, Seattle, WA 98195-4350. *On rationalizing divisors.*

Rational pairs generalize the notion of rational singularities to reduced pairs  $(X, D)$ . In this talk we will deal with the problem of determining whether a normal variety  $X$  has a rationalizing divisor, i.e. a reduced divisor  $D$  such that  $(X, D)$  is a rational pair. We will give a criterion for cones to have a rationalizing divisor, and relate the existence of such a divisor to the locus of rational singularities of a variety. (Received September 20, 2015)