

# RATIONALIZING DIVISORS

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ABSTRACT. Rational pairs generalize the notion of rational singularities to reduced pairs  $(X, D)$ . In this talk we 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.

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