

## SEMINARIO DI GEOMETRIA

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### The "Positivity Problem": an introduction and recent developments

Given a morphism with connected fibers between normal projective varieties, it is a natural problem to try to relate positivity properties between the anticanonical divisors of the varieties. In this talk, we first recall some known results on this subject. Then we focus on the case in which the morphism is a Fano conic bundle, i.e. a fiber type contraction of a Fano manifold, where every fiber is one-dimensional. We discuss some recent results about Fano conic bundles, and we give new examples of such contractions which allow to deduce something more about the Positivity Problem.