

Intersection Cohomology for Projective Contraction-Free \mathbb{T} -varieties of complexity one.

Marta Agustín Vicente¹,

Let \mathbb{T} be an algebraic torus. A \mathbb{T} -variety is a normal variety with an effective \mathbb{T} -action. A \mathbb{T} -variety is said to be contraction-free if the rational quotient map given by the \mathbb{T} -action is a morphism. Every \mathbb{T} -variety has a combinatorial description involving a ?nite collection of polyhedral divisors. In this talk, we will explain briefly this combinatorial description and we will compute the intersection cohomology Betti numbers of a contraction-free \mathbb{T} -variety in terms of it.

Referencias

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¹Instituto de Ciencias Matemáticas, ICMAT

Calle Nicolás Cabrera, 13-15 28049 Madrid martaav22@gmail.com