

Multiplier ideals and test ideals of complete intersection binomial ideals.

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The multiplier ideal is an important tool in birational geometry. The purpose of this talk is to compute the multiplier ideals of complete intersection binomial ideals. J. Howald has given a combinatorial description of the multiplier ideals of monomial ideals.

We give a combinatorial description of the multiplier ideals of complete intersection binomial ideals in a similar manner.

Furthermore, we prove that there exists infinitely many prime numbers p such that the reduction modulo p of the multiplier ideal coincides with the test ideal for any exponent in this case.