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Restriction, subadditivity, and semicontinuity theorems for Hodge ideals. (English)

Zbl 1408.14074

Int. Math. Res. Not. 2018, No. 11, 3587-3605 (2018).

Summary: We prove results concerning the behavior of Hodge ideals under restriction to hypersurfaces or fibers of morphisms, and addition. The main tool is the description of restriction functors for mixed Hodge modules by means of the V -filtration.

MSC:

14F18 Multiplier ideals

14C20 Divisors, linear systems, invertible sheaves

32S35 Mixed Hodge theory of singular varieties (complex-analytic aspects)

Cited in **2** Reviews
Cited in **4** Documents

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