

Harvard-M.I.T. Algebraic Geometry Seminar

HARD LEFSCHETZ THEOREM FOR NONRATIONAL POLYTOPES

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Abstract:

The Hard Lefschetz theorem is known to hold for the intersection cohomology of the toric variety associated to a rational convex polytope. One can construct the intersection cohomology combinatorially from the polytope, hence it is well defined even for a nonrational polytope when there is no variety associated to it. The talk is about the Hard Lefschetz theorem for the intersection cohomology of a general polytope.

Tuesday, November 5
3:00 p.m.
MIT Room 4-370

<http://www-math.mit.edu/~jstarr/02sem/>.