

Harvard-MIT Algebraic Geometry Seminar

Density of integral points over function fields

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Consider a pair consisting of a smooth projective variety and a normal-crossings divisor, defined over the function field of a complex curve B . For a model $(X, D) \rightarrow B$, integral points are sections $B \rightarrow X$ meeting D only over prescribed points of B . We present density results for integral points on log Fano pairs, e.g., when the normal bundle of D is effective and nontrivial. We also discuss some open problems. (This is joint work with Tschinkel.)

Tuesday November 6th
3:00 p.m.
Harvard Science Center (507)