

Applications of Unlikely Intersections to Integral Geometry

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We explain how a theory of infinitesimal period maps can be used to “transfer” Hodge-theoretic unlikely intersection results from characteristic zero to positive characteristic for sufficiently large primes p . We survey several results of this type and give an idea of the methods used to prove them. Partially joint work with Ziquan Yang.

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Classification de Session: Afternoon Chair: Pascal Autissier