

Philadelphia Area Number Theory Seminar

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A Tale of Two Hypergeometric Properties of Algebraic Varieties

Abstract: In this talk, we investigate the relationship between special functions and arithmetic and analytic properties of algebraic varieties. More specifically, we use Greene's finite field hypergeometric functions to give point count formulas for various families of varieties. And [of6lio5compes.ng1_1 1 Tf \(\)Tj /T1_3 1 Tf 4.297 0 8441 1k0e](#)