

Philadelphia Area Number Theory Seminar

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Multiplicative approximation and generalized Lehmer problems

Abstract: We'll recall what the Weil height is, and how it can be viewed as a norm on the multiplicative group. We'll then explain some approximation results in this norm from a recent joint work with J.D. \mathbb{Z} with norm

if an algebraic point is "close" to points of \mathbb{Z} over that field; this can be made