

Combinatorics Seminar

Point-curve incidences in the complex plane

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Abstract: The past few years have seen a flurry of new incidence results in the wake of Guth and Katz's seminal paper on the Erdős distinct distance problem. To date, most of these incidence theorems only apply to points and algebraic varieties in (real) Euclidean space. In many cases it is reasonable to expect that analogous theorems should hold over \mathbb{C} , but limited progress has been made in this direction. In this talk, I will discuss a new point-curve incidence theorem in the complex plane. This is joint work with Adam Sheffer.

Monday, November 23 at 3:00 PM in SEO 427
