

Graduate Combinatorics Seminar

Roth's Theorem via the Szemerédi Regularity Lemma Part II

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Abstract: Roth's theorem states that any set of positive integers of positive upper density contains an arithmetic progression of length three. We will introduce the Szemerédi regularity lemma, then present a proof Roth's theorem which uses the regularity lemma.

Wednesday, September 24 at 4:00 PM in SEO 512