THE NUMBER OF INTEGER POINTS ON VINOGRADOVS QUADRIC

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ABSTRACT. A precise asymptotic formula is obtained for the number of integer points on Vinogradovs quadric and iterates thereof. It is also determined in which cases these varieties exhibit prime paucity.

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²⁰⁰⁰ Mathematics Subject Classification. 11N45, 11N36, 11E25, 11P32.

 $Key\ words\ and\ phrases.$ prime paucity, intersection of quadrics, sieve methods, binary quadratic forms, moments.