
Zbl 088.25703
Chalk, John H.H.; Erdős, Pál
On the distribution of primitive lattice points in the plane. (In English)
Can. Math. Bull. 2, 91-96 (1959).

Using a result of *Erdős* (Zbl 083.03702) and straightforward continued fraction techniques the authors prove: For any given irrational number ϑ and any real number α there exists an absolute constant λ such that

$$x|y - \vartheta x + \alpha| < \lambda(\log x/\log x)^2$$

is satisfied by infinitely many coprime integers x, y with $x > 0$.

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Classification:
11J20 Inhomogeneous linear forms
05A15 Combinatorial enumeration problems

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