

Abstract of paper [1].

We prove that, for any fixed positive integer k , a suitable asymptotic formula for the number of representations of an even integer $N \in [1, X]$ as the sum of two primes and k powers of 2 holds with at most $O_k\left(X^{3/5}(\log X)^{10}\right)$ exceptions.

References

- [1] A. Languasco, J. Pintz, and A. Zaccagnini. On the sum of two primes and k powers of two. *Bull. London Math. Soc.*, 39:771–780, 2007.