Analele Universității București, Matematică Anul LIII(2004), pp. 229–234

An additive problem

Alexandru GICA

September 30, 2004

Abstract - The main aim of this paper is to analyze the properties of the numbers n which have the property that $n-a^2$ is prime for any even integer $a,a^2 \leq n$ and that $n-b^2$ is twice a prime for any odd integer $b,b^2 \leq n$.

Key words and phrases: sum of primes and squares.

Mathematics Subject Classification (2000): 11A41, 11P99