



ON EXPONENTIAL SUMS WITH COEFFICIENTS

C. Calderón, M. J. De Velasco and M. J. Zarate

Received July 20, 2012

Abstract

In this paper, we study the L_1 -norm of the exponential sums with some classical arithmetical functions as: the divisor function $d(n)$ and the sum of the r th powers of the divisors of n , $\sigma_r(n)$.

Keywords and phrases: asymptotic formulas, exponential sums, L_1 -norm.