ABSTRACT

Partial Sums of the Möbius function and Fractions

In this talk we will give a brief history of the Riemann Zeta function, prime number theorem and their relation with partial sums of the Möbius function. Then we consider the Beurling type of integers and we give a quantitative estimate for partial sums of the Möbius function over Beurling type of integers. Lastly, we will apply this estimation to fractions.