Number Theory Seminar

Friday, November 1st, 2019

11:30 am in Hume 321

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The divisor function in arithmetic progressions

ABSTRACT

Number theorists like to count things in arithmetic progressions. A classical problem of this type is to find the average value of the divisor function in an arithmetic progression. In this talk I will discuss this problem and the limit of current knowledge. Then I will explain how we can go beyond this limit in a special situation.