



DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

Colloquium

DIVISOR FUNCTIONS, FUNCTION FIELDS AND MATRIX INTEGRALS

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ABSTRACT

I will examine some very classical questions on the statistics of divisor functions from a modern perspective of function field arithmetic and Random Matrix Theory. As a result, one is able to probe new regimes in these problems, hitherto not understood even at a conjectural level.

Wednesday, 30 September 2015

4:00 pm

Smith Hall 204

Tea and refreshments will be served at 3:45pm.

<http://math.newark.rutgers.edu/~xiaowwan/Colloquium/>