



AMERICAN UNIVERSITY
WASHINGTON, D C

THE DEPARTMENT OF MATHEMATICS AND STATISTICS COLLOQUIUM

Number Theory and Real Analytic Methods

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3:30 p.m. on Tuesday, November 5th

Ward 303

Abstract: In this talk we will consider some problems in which methods from real analysis have been applied to obtain results in Number theory. We will examine a question of Littlewood concerning

$$\inf_q q \cdot \|q\alpha\| \cdot \|q\beta\|.$$

Time permitting we will, in addition, look at two problems in the distribution of sequences. How uniformly can a sequence of points be distributed in the d-dimensional unit cube? When is normality to one base equivalent to normality to another? These latter two questions may be explored using suitably defined Riesz products.

Presented by

THE AU MATH/STAT DEPARTMENT AND THE AU CHAPTER OF SIGMA XI

For additional information, contact

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Next Colloquium:

Tuesday, November 19, 2002 Ward 303

Edward Eikenberg, National Security Agency and the University of Maryland
Generating Elliptic Curves with High Rank
