



AMERICAN UNIVERSITY
WASHINGTON, D C

THE DEPARTMENT OF MATHEMATICS AND STATISTICS COLLOQUIUM

The Ball Generated Property in Operator Spaces

Sudeshna Basu
Howard University
sbasu@howard.edu

3:30 p.m. on Tuesday, November 26th

Ward 303

Abstract: The Ball Generated Property (BGP) was introduced by Corson and Lindenstrauss and subsequently analyzed in detail by Godefroy and Kalton. In this work, the BGP is studied in spaces of operators. It is shown that the BGP is stable under c_0 and ℓ_p -sums for $1 < p < \infty$ and a characterization is provided for $C(K, X)$ -spaces with the BGP. A similar characterization is obtained for $L(X, C(K))$ -spaces. The BGP is shown to be stable under injective tensor products.

Presented by
THE AU MATH/STAT DEPARTMENT AND THE AU CHAPTER OF SIGMA XI
For additional information, contact
Richard Brown (brown@american.edu) or
Alex White (whiteale@american.edu)

Next Colloquium:

Tuesday, December 3, 2002 Ward 303

E. Arthur Robinson, George Washington University
The Fibonacci Sequence, Pisot Numbers, and Rauzy Fractals
