



MARQUETTE
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HELEN WAY KLINGLER
COLLEGE OF ARTS AND SCIENCES

Department of Mathematics, Statistics and Computer Science

COLLOQUIUM ANNOUNCEMENT

A mixing operator T for which (T, T^2) is not disjoint transitive

Yunied Puig de Dios

Department of Mathematics

University of California - Riverside

2:00 PM, Thursday, March 8, 2018

Cudahy Hall, Room 401

Abstract

We answer a question posed by Bès, Martin, Peris and Shkarin concerning dynamics of linear operators by using a result from ergodic Ramsey theory. In answering this question, Szemerédi's famous theorem will unexpectedly play an important role. Indeed, using a kind of Szemerédi's theorem for generalized polynomials we show a mixing operator T on a Hilbert space such that the tuple (T, T^2) is not disjoint transitive.

1313 W. Wisconsin Avenue, Cudahy Hall, Room 412, Milwaukee, WI 53201-1881

For further information: see <http://www.marquette.edu/mscs/resources-colloquium.shtml>

or contact Dr. Daniel Rowe #414-288-5228, daniel.rowe@marquette.edu

*POST COLLOQUIUM REFRESHMENTS SERVED IN
CUDAHY HALL, ROOM 342 AT 3:00 P.M.*