



Questions? Contact organizer:
ian.adelstein@yale.edu

MATH COLLOQUIUM

MULTIPLEX JUGGLING SEQUENCES AND KOSTANT'S PARTITION FUNCTION

FRIDAY, APRIL 28TH
3-4PM

WTS A60 OR LOM 206 (TBA)
ALL DEPARTMENT (INC. UNDERGRADS) WELCOME!



PROF. PAMELA HARRIS

University of Wisconsin -
Milwaukee

ABSTRACT

Multiplex juggling sequences are generalizations of juggling sequences (describing throws of balls at discrete heights) that specify an initial and terminal configuration of balls and allow for multiple balls at any particular discrete height. Kostant's partition function is a vector function that counts the number of ways one can express a vector as a nonnegative integer linear combination of a fixed set of vectors. What do these two families of combinatorial objects have in common? Attend this talk to find out!

BIO

Dr. Harris is an Associate Professor in the Department of Mathematical Sciences at the University of Wisconsin at Milwaukee. She cohosts the podcast Mathematically Uncensored and is President and co-founder of Lathisms: Latinxs and Hispanics in the Mathematical Sciences. Her research interests are in algebra and combinatorics, particularly as these subjects relate to the representation theory of Lie algebras.