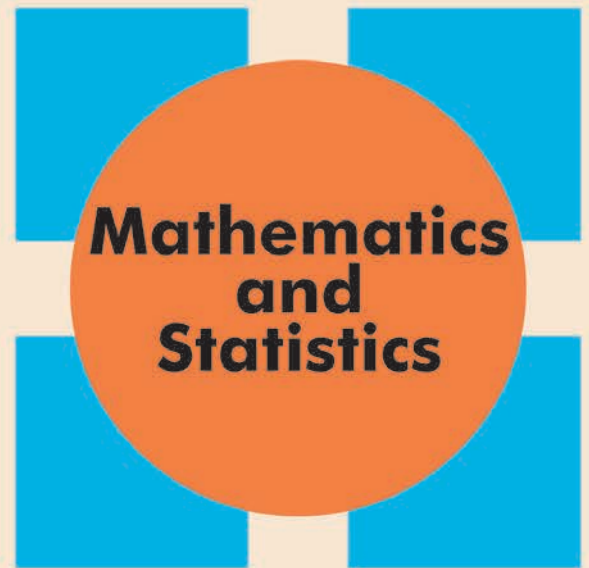


COLLOQUIUM

James Hartman

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Powers of Magic Matrices



Date: Friday, November 18, 2016

Time: 3:30 - 4:30 PM

Room: RIC 208

Abstract: A magic matrix is one whose rows, columns, diagonal, and cross diagonal (or anti-diagonal) all sum to the same number. A magic square can be considered as a special type of magic matrix, although we consider magic matrices where the entries are any real (or even complex) number. This talk will examine what can happen when one considers powers of a magic matrix. In particular, it will address the question of when will powers of a magic matrix be magic. This talk will be accessible to anyone having taken or currently taking a beginning course in linear algebra.