San José State University
Department of Mathematics
Colloquium Series
presents
Neville Robbins
San Francisco State University
On Partitions and Sums of Squares
February 14, 2007, MH 423

Abstract: If $t, n$ are natural numbers, let $r_t(n)$ denote the number of representations of $n$ as a sum of $t$ squares of integers. (Representations that differ only in order of terms are considered distinct.) We will discuss formulas that express $r_t(n)$ in terms of partition functions, specifically $p(n)$ (the number of unrestricted partitions of $n$), and $q_0(n)$ (the number of self-conjugate partitions of $n$).

Snacks in MH 331B at 2:30
Talk starts at 3