



The rising STAR of Texas

Discrete Mathematics Seminar

Time: Friday, 31 March 2017, 2:15 – 3:15 PM
Location: 237 Derrick Hall
Title: q -Stirling numbers: A new view
Speaker: Dr. Yue Cai, Texas A&M University

Abstract:

Stirling numbers of the second kind $S(n, k)$ enumerate the number of set partitions of n elements into k disjoint blocks. We give a compact expression for the q -Stirling numbers as a q -($1 + q$)-analogue. We show there is a poset explanation for this phenomenon as well as a homological interpretation. This is joint work with Margaret Readdy.