Fall Colloquium Series

Student Talks:

The OSU SAMMS program and Asymptotic Analysis

Ruben Yuriar

Irreducible Elements of Leamer Monoids: an REU Project

Miguel Landeros & Karina Pena
Cal Poly Pomona

Abstracts:

Yuriar: As an undergraduate student, the idea of graduate school can be an overwhelming one, especially with the uncertainty of what to expect. The Ohio State University's Sampling Advance Mathematics for Minority Students (SAMMS) program provides its participants with a better idea of what graduate studies and graduate student life can be like. In this presentation, I will talk about the SAMMS application process and curriculum, my overall experience in the program in 2015, and give a brief description about my research topic and presentation.

Landeros & Pena: In this talk, we report on our research project at the PURE math REU at the University of Hawaii-Hilo. The project concerned the identification of irreducible elements a certain class of monoids, known as Leamer monoids, whose elements correspond to arithmetic sequences contained in a given numerical monoid. With the recent progress of Garcia-Sanchez and Leamer, understanding the structure of these monoids could lead to a resolution of the Huneke-Wiegand conjecture, a long standing open problem in commutative algebra.

Wednesday, October 7, 1:05 - 1:50pm in 3-2643