



Speaker: David Cook II
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Tuesday, November 13, 2012
12:00 PM
258 Hurley Hall

Title: Type two monomial algebras and the weak Lefschetz property

Abstract:

We will discuss an approach for studying monomial ideals in three variables via lozenge tilings of certain planar regions. Using this technique, we determine which type two monomial algebras in three variables have the weak Lefschetz property in characteristic zero and, in some cases, positive characteristic. (This is joint work with Uwe Nagel.)