

Auburn Montgomery
Department of Mathematics
Colloquium/MAMS

Time: Friday March 2, 2007, 2:30pm

Place: Auburn Montgomery, Goodwyn Hall, Room 202

Speaker: Dr. Greg Marks, Department of Mathematics and Computer Science , St. Louis University

Title: On the Structure of Right Quasi-Duo Rings

Abstract:

A ring is said to be right quasi-duo if every maximal right ideal is two-sided. This condition is a broad generalization of commutativity and encompasses, for example, noncommutative local rings and endomorphism rings of uniserial modules. We will discuss some characterizations of right quasi-duo rings and examine the right quasi-duo condition in Ore polynomial rings. We will also see some close connections between the right quasi-duo condition and a few of the major unsolved problems in noncommutative ring theory, including the Köthe Conjecture. This is a report on joint work in progress with A. Leroy and J. Matczuk.

Refreshments will be served at 2:00pm; colloquium begins at 2:30pm.