

## Vladimir Retakh

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will speak on

### The Noncommutative Laurent phenomenon

ABSTRACT: A composition of birational maps given by Laurent polynomials need not be a Laurent polynomial. When it does, we talk about the Laurent phenomenon. A large variety of examples of the Laurent phenomena for commuting variables comes from the theory of cluster algebras. Much less is known in the noncommutative case. I will present a number of the noncommutative Laurent phenomena, including the phenomena of a "geometric origin." This is a joint work with Arkady Berenstein.

MONDAY, APRIL 22, 2013

LECTURE AT 4:00 PM

COFFEE, TEA, AND REFRESHMENTS FROM 3:40 PM

ROOM 617, WACHMAN HALL

DEPARTMENT OF MATHEMATICS