Milen Yakimov
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will speak on
Noncommutative discriminants and Poisson geometry

ABSTRACT: Discriminants play a key role in various settings in algebraic number theory, algebraic geometry, combinatorics, and noncommutative algebra. We will introduce this notion and explain some of its applications. In the case of noncommutative algebras, discriminants have been computed in very few cases. We will present a general method for doing this that builds a connection to Poisson geometry. This is a joint work with Bach Nguyen and Kurt Trampel (LSU).

Monday, April 25
Lecture at 4:00 pm
Coffee, tea, and refreshments from 3:40 pm
Room 617, Wachman Hall
Department of Mathematics