

ALGEBRA SEMINAR

A taste of algebraic geography, Part 3

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ABSTRACT: The goal of this short mini-course (about four lectures) is to explain the following result of D. Stefan: *up to isomorphism, there are only finitely many bi-semisimple Hopf algebras of a given dimension.* All terms in this statement have been explained in the first lecture, while the second lecture was a crash course in affine algebraic geometry. In the third lecture, I will talk about actions of algebraic groups, counting orbits, and the connection of all this to the problem of classifying bialgebras up to isomorphism.

MONDAY, MARCH 26, 2012
1:40 – 2:30 PM
ROOM 617, WACHMAN HALL
DEPARTMENT OF MATHEMATICS