

ALGEBRA SEMINAR

On the adjoint representation of a finite-dimensional Hopf algebra

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ABSTRACT: The talk will begin with a review of three known facts for the adjoint representation of a finite group: the description of its Hopf annihilator, that it is a permutation representation and a necessary and sufficient condition when it is semisimple. A discussion of the proper generalizations of these facts to Hopf algebras will follow. Some of these generalizations will be proved and intuition, insight, and examples will be given for the others.

MONDAY, FEBRUARY 15, 2016
1:30 – 2:30 PM
ROOM 617, WACHMAN HALL
DEPARTMENT OF MATHEMATICS