

# ALGEBRA SEMINAR

## *Lifting Hopf algebras, II*

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ABSTRACT: In the second (and last) talk of this series, I will explore some consequences of the existence of a characteristic-0 lift for a Hopf algebra. In fact, I will explain things in the more general setting of Frobenius algebras and Frobenius extensions — these are defined by stipulating that the familiar induction and coinduction functors be isomorphic. In particular, I will derive the celebrated Cartan-Brauer triangle of group representation theory for arbitrary Frobenius algebras.

MONDAY, DECEMBER 5, 2011  
1:40 – 2:30 PM  
ROOM 617, WACHMAN HALL  
DEPARTMENT OF MATHEMATICS