



**Speaker:** Martin Bays  
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Thursday, November 17, 2011  
1:00 PM  
125 Hayes-Healy Hall

**Title:** Some definability results in abstract Kummer theory

**Abstract:**

This is joint work with Misha Gavrilovich and Martin Hils.

Classically, Kummer theory for a commutative algebraic group reduces Galois theoretic properties of points of the group to "linear", group theoretic properties. We observe that a geometric part of this theory goes through in arbitrary commutative groups of finite Morley Rank, and deduce from the proof a useful definability property in the original case of algebraic groups.