Fritz Grunewald
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will speak on

Engel conditions, a problem of Plotkin
and étale cohomology

ABSTRACT: The classical Engel-Theorems characterize finite-dimensional nilpotent Lie algebras or finite nilpotent groups by a system of two-variable identities. Plotkin asked whether the same is possible for solvable Lie algebras or solvable finite groups. I shall present a solution which involves the use of algebraic geometry over finite fields.

Monday, March 13, 2006
Lecture at 4:00 pm (*)
Coffee, tea, and refreshments from 3-5 pm
Room 617, Wachman Building
Department of Mathematics