

# ALGEBRA SEMINAR

## *Molecular vibration: group representation theory in chemistry and physics, IV*

Martin Lorenz  
Temple University

ABSTRACT: I plan to describe the Lagrangian function of a closed system of particles in this lecture. Then I will derive the equations of motion for the harmonic oscillator in several degrees of freedom. This will end the long excursion into classical mechanics.

MONDAY, MARCH 1, 2010  
1:40 – 2:30 PM  
ROOM 617, WACHMAN HALL  
DEPARTMENT OF MATHEMATICS