Integral points on pencils of homogeneous spaces

Jean-Louis Colliot-Thelene
University of Paris-Sud, Orsay

Abstract: In this seminar talk I shall first go into details of my work with Fei Xu on integral solutions of the diophantine equation $q(x, y, z) = P(t)$, where $q$ is an indefinite integral ternary quadratic form and $P(t)$ is a polynomial with integral coefficients. I shall then explain the extent to which David Harari and I may currently extend the result to pencils of homogeneous spaces of linear algebraic groups.

Tuesday, March 6, 2012, 3:00 pm
Mathematics and Science Center: W306