



Speaker: Anand Pillay
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Wednesday, September 10, 2014
3:00 PM
258 Hurley Hall

Title: Diophantine geometry and model theory; old and new perspectives

Abstract:

Diophantine geometry is roughly speaking about rational points on algebraic varieties. I will discuss results and problems of "Manin-Mumford" type; the structure of varieties containing many "special" (such as rational) points. I will also discuss two generations of interaction with model theory: via stability theory and via o-minimality. If I have time I will say something about a new recent account of function field Mordell-Lang in positive characteristic.