



Speaker: Alex Wilkie

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Wednesday, December 1, 2010

4:15-5:15 PM

117 Hayes-Healy Hall

Title: An introduction to o-minimality with applications

Abstract:

I shall introduce the theory of o-minimal structures as a possible rigorous framework for Grothendieck's idea of "tame topology". I shall present some of the main finiteness theorems for certain ("definable") subsets of Euclidean space and conclude with an application concerning the counting of rational points on transcendental analytic sets.