

Definable Linear Orders in o-minimal Structures

Lousie Hay Logic Seminar, UIC

Victoria Noquez

March 21, 2013

Abstract

We will discuss the result of Janak Ramakrishnan's paper "Definable Linear Orders Definably Embed Into Lexicographic Orders in o-minimal Structures". If $(P, <)$ is M -definable in an o-minimal group M with $n = \dim(P)$, then there is an M -definable embedding of $(P, <)$ into $(M^{2n+1}, <_l ex)$. We will go over the proof of the $n = 1$ case during this talk.