Logic Seminar

Exponential Pregeometries and the Logical Complexity of Schanuel's Conjecture

Dave Marker (UIC)

Abstract: In it's natural formulation Schanuel's Conjecture is a Π_1^1-sentence. We show there is an equivalent Π_3^0-sentence.

The key to the proof is work on J. Kirby on natural pregeometries in exponential fields. Most of the talk will be devoted to explaining Kirby's work.

Tuesday, April 25 at 4:00 PM in SEO 427