Mathematics, Statistics, and Computer Science   **@ UIC**

Model Theory Seminar

Ax-Lindemann-Weierstrass for abelian varieties I

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Abstract: A key point in Pila's diophantine work are results characterizing when algebraic varieties in the uniformization of an abelian variety project into algebraic varieties in the image. In these seminars, we will go through a new, elementary proof of this result due to Peterzil and Starchenko.

In the first lecture I will discuss how results of this type can lead to diophantine result and the relation to Ax's proof of Schanuel's Conjecture for power series fields.

Wednesday, January 25 at 10:00 AM in SEO 427