Queen's Algebraic Geometry
— Seminar —

A LOCAL-GLOBAL PRINCIPLE FOR WEAK APPROXIMATION OF VARIETIES OVER FUNCTION FIELDS

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Abstract

The "weak approximation problem" for varieties over function fields, introduced by B. Hassett and Y. Tschinkel, is motivated by the analogous question over number fields. The question is whether local sections can be approximated to arbitrarily high order by global sections, and thus fits in to a well known (and fruitful) class of "local-global" type questions. The purpose of this talk is to study whether the weak approximation problem is itself purely local. This is joint work with Jason Starr.

Monday, February 8, 2010
3:00pm – 4:00pm
319 Jeffery Hall