
DAVID MCKINNON, University of Waterloo

The arithmetic puncturing problem

Let V be a projective variety over a number field, and let Z be a subset of V of codimension at least two. In 2001, Hassett and Tschinkel asked whether or not it was true that the rational points of V are potentially Zariski dense if and only if the Z -integral points of V are potentially Zariski dense. The answer to this question is still mysteriously unknown, but there have been a few tantalizing bits of progress, some of which I may even have time to discuss in my talk.