

## **The exceptional set in Manin's Conjecture**

Brian Lehmann, Boston College

Let  $X$  be a Fano variety over a number field and let  $L$  be an adelically metrized ample line bundle on  $X$ . Manin's Conjecture predicts the growth rate of points of bounded  $L$ -height. After removing an "exceptional set", the growth rate should be determined by geometric invariants comparing the positivity of  $L$  and  $-K_X$ . I will give a conjectural description of the exceptional set which includes the rational point contributions from all subvarieties and covers with larger geometric invariants. The main result is that this candidate set is contained in a thin set as predicted by Peyre.

This is joint work with Akash Kumar Sengupta and Sho Tanimoto.