

DAVID MCKINNON, University of Waterloo, Waterloo, Ontario
Counting rational points on ruled varieties

In this talk, I will describe a general result computing the number of rational points of bounded height on an algebraic variety V which is covered by lines. The main technical result used to achieve this is an upper bound on the number of rational points of bounded height on a line. This bound varies in an pleasantly controllable manner as the line varies, and hence can be used to sum the counting functions of the lines which cover V .