1131-14-262   **David McKinnon*** (`dmckinnon@uwaterloo.ca`), Pure Mathematics Department, 200 University Avenue West, Waterloo, ON N2L3G1, Canada. *Integral points and higher codimension.*

There are lots of smooth varieties with a dense set of rational points but a degenerate set of integral points over every finite extension of the base field. However, if the "locus at infinity" has codimension two or more, no such examples are known.

Hassett and Tschinkel have asked if this is a general phenomenon, or if it is possible to delete a set of codimension at least two from a smooth, projective variety and thereby transform a dense set of rational points into a never-dense-no-matter-how-much-you-extend-the-base-field set of integral points. In this talk, I'll discuss this question, with some new examples. (Received July 17, 2017)