1068-14-130 **Gordon Heier*** (heier@math.uh.edu), Department of Mathematics, University of Houston, 4800 Calhoun Road, Houston, TX 77204. *Essentially large divisors and degeneracy of integral points.*

We will discuss generalizations of Siegel's classical finiteness theorem for integral points on affine curves to higher dimensions. A class of divisors on projective manifolds, called essentially large divisors, will be introduced to make precise the idea that a divisor with sufficiently many ample components should force sets of integral points in the complement of the divisor to be degenerate. For projective manifolds of small codimension, a necessary and sufficient criterion for a divisor to be essentially large will be established. This is joint work with Min Ru. (Received January 16, 2011)