

1096-11-243

**Michael P. Knapp\*** (mpknapp@loyola.edu). *2-Adic zeros of additive forms.*

In this talk, we determine the minimum number of variables needed to guarantee that a homogeneous polynomial of the form  $a_1x_1^d + a_2x_2^d + \cdots + a_sx_s^d$ , with integer coefficients, has a nontrivial 2-adic zero. (Received August 22, 2013)