1116-13-1217   **Josephine Yu*** (jyu@math.gatech.edu). *Do generic polynomials generate a prime ideal?*
Do *most* set of sparse polynomials generate a proper prime ideal? The answer depends on the support. We give necessary and sufficient combinatorial conditions for when this happens, analogously to the conditions for sparse resultants to be identically zero. (Received September 17, 2015)