## 1127-13-158 **H**

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Suppose R is a polynomial ring in n variables and I is a homogeneous ideal of height n in R so that R/I is an Artin Algebra. Let  $\mu(I)$  denote the minimum number of generators for I. If the Hilbert function of R/I is of the form  $(1, n, \binom{n}{2} + 1, \ldots, 1 + \binom{n}{2}, n, 1)$  and further  $I_2$ , the ideal generated by the n quadratic generators of I has height 1, then we show that there is an upper bound for the number of generators of I in terms of n and a height n - 1 Gorenstein ideal J contained in I. We say an ideal I is  $\mu$  generic if  $\mu(I)$  has this upper bound. We give some criterion when this is achieved and some consequences for the unimodality of Hilbert functions for a class of co-dimension three Artin algebras. (Received February 01, 2017)