

1159-13-119

Keller VandeBogert* (kelerlv@math.sc.edu). *Linear Strand and Minimal Free Resolutions for some Equigenerated Monomial Ideals.*

Let $R=k[x_1, \dots, x_n]$ denote the standard graded polynomial ring over a field k . We study certain classes of equigenerated (squarefree) monomial ideals obtained by deleting subsets of generators from the set of all (squarefree) monomials of fixed degree. After computing the graded Betti numbers of these ideals, we are able to construct an explicit linear strand, and, in the case where the ideals under consideration have linear resolution, explicit minimal free resolutions. (Received August 03, 2020)