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*Polarizations of Powers of Graded Maximal Ideals.*

We give a complete combinatorial characterization of all possible polarizations of powers of the graded maximal ideal  $(x_1, x_2, \dots, x_m)^n$  of a polynomial ring in  $m$  variables. We also give a combinatorial description of the Alexander duals of such polarizations. In the three variable case  $m = 3$  and also in the power two case  $n = 2$  the descriptions are easily visualized and we show that every polarization defines a (shellable) simplicial ball. We conjecture that any polarization of an Artinian monomial ideal defines a simplicial ball. (Received January 16, 2020)