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Multidegree of toric ideals. Preliminary report.

The multidegree of an ideal is a multigraded generalization of the degree of a \mathbb{Z} -graded ideal. These multidegrees can provide insight into the combinatorial data related to the ideal. For example, in the case of the classical determinantal ideal the multidegree is in fact a Schur polynomial. In this talk we aim to present similar connections for more general toric ideals. (Received September 25, 2012)