

1104-05-210

Adam Boocher and **Elina M Robeva*** (erobeva@gmail.com). *Robust toric ideals.*

We call an ideal in a polynomial ring robust if it can be minimally generated by a universal Gröbner basis. We show that robust toric ideals generated by quadrics are essentially determinantal. We then discuss two possible generalizations to higher degree, providing a tight classification for determinantal ideals, and a counterexample to a natural extension for Lawrence ideals. (Received September 01, 2014)