
LAURA ESCOBAR, Washington University in St. Louis

Gröbner bases for symmetric determinantal ideals

We give Gröbner bases for a class of combinatorially-defined polynomial ideals which are generated by minors of a generic symmetric matrix. Included within this class are the symmetric determinantal ideals. Each ideal in our class encodes the coordinates and equations for neighborhoods of certain type C Schubert varieties at torus fixed points. This is joint work with Alex Fink, Jenna Rajchgot and Alex Woo.