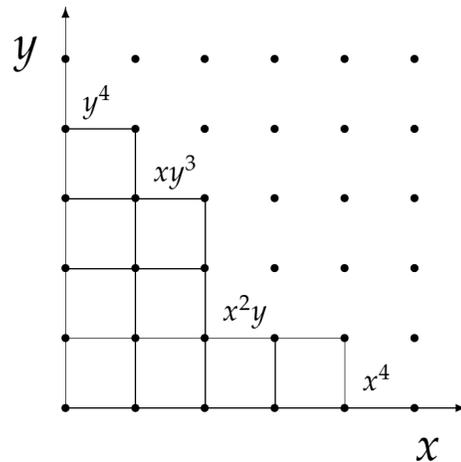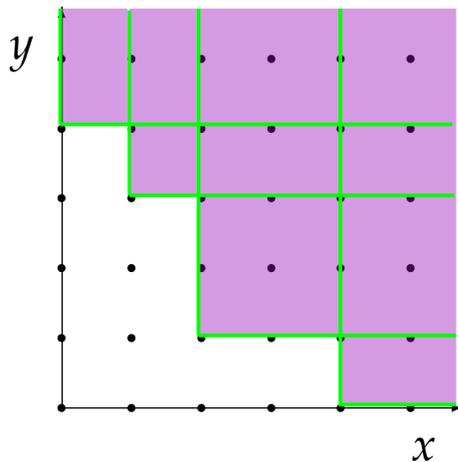# An Introduction to Gröbner Bases

Undergraduate Math Club
CORNELL UNIVERSITY

SPEAKER

Anna Brosowsky

ABSTRACT

Often in abstract algebra, one wants to do specific computations involving polynomials. This could be solving a system of polynomial equations or finding the intersection of two polynomial ideals. Gröbner bases are the main tool for doing such computations. We will motivate why they are necessary, then provide an overview of the fundamentals. This will involve definitions, applications, and plenty of examples!

SEP 18 at 4:45pm

Malott 532 ⋆ Refreshments