

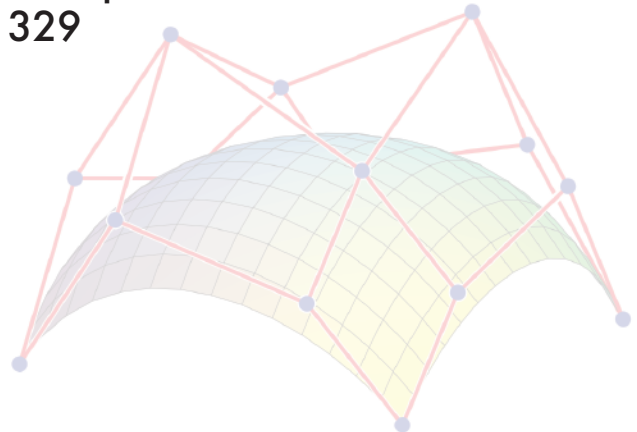
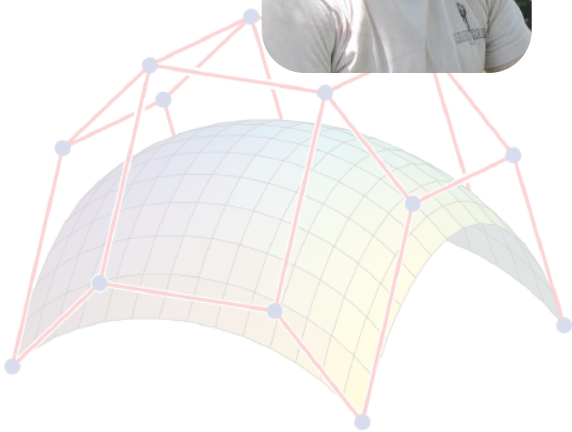
Department of Mathematics Colloquium

Some algebraic geometry in applications



Prof. Frank Sottile
Texas A&M University

November 15, 2019
3:30 - 4:30pm
DERR 329



Algebraic geometry is the study of sets which arise as the common zeroes to a collection of polynomials. It is a deep and powerful subject, combining geometric intuition with algebraic precision. It is also increasingly a useful tool in applications of mathematics, for whenever polynomials arise, the methods of algebraic geometry may be brought to bear on the problem at hand.

I will illustrate this growing trend through a series of interrelated examples of algebraic geometry arising in applications.