

1164-57-150

Michael Dougherty* (mdoughe1@swarthmore.edu), Department of Mathematics and Statistics, Swarthmore College, Swarthmore, PA 19081, and **Jon McCammond**, Department of Mathematics, University of California, Santa Barbara, Santa Barbara, CA 93106. *Geometric Combinatorics for Polynomials*.

The space of complex polynomials with n distinct roots is a fundamental object in many branches of mathematics, but it is not obvious how to concretely articulate the shape of this space. In this talk, I will present a combinatorial perspective for polynomial maps and describe a cell structure for this space of polynomials. This is joint work with Jon McCammond. (Received January 17, 2021)