
ALICE DEAN, Skidmore College

Posets of Geometric Graphs

Joint work with Debra Boutin, Sally Cockburn, and Andrei Margea.

We use geometric homomorphisms to introduce a partial order on the isomorphism classes of geometric realizations of a graph G . We develop tools to determine when two geometric realizations are comparable and give results for P_n, C_n and K_n .