
ANGELE FOLEY, Wilfrid Laurier University
H-Chromatic Symmetric Functions

We recently introduced H-chromatic symmetric functions, X_G^H , which use the H-coloring of a graph G to define a generalization of Stanley's chromatic symmetric functions. In this talk we take a tour of these new symmetric functions, considering equivalence questions and basis questions. We also include conjectures and open problems.

This is joint work with N.M. Eagles, A. Huang, E. Karagozishvili, and A. Yu.