

1112-05-672

Russ Woodroffe* (rwoodroffe@math.msstate.edu). *Unimodal f-vectors and h-vectors of trees*. Preliminary report.

Alavi, Malde, Schwenk, and Erdős conjectured in 1987 that the f-vector of the independence complex of any tree is unimodal. I'll show that the final segment of the f-vector obeys a certain partial unimodality property, and give new simple proofs that the conjecture holds for certain classes of trees. (Received August 11, 2015)