

1131-13-322 **Jay Schweig*** (jayschweig@gmail.com), 401 MSCS, Stillwater, OK 74075. *Old and new results on flag h-vectors*. Preliminary report.

Recall that a $(d-1)$ -dimensional simplicial complex is balanced if its 1-skeleton admits a proper d -coloring. The flag h -vector of a balanced simplicial complex is a refinement of the classical h -vector with a beautiful topological interpretation. We review some facts about the flag h -vector, and present some recent results about flag h -vectors of certain complexes with extra combinatorial structure. (Received July 17, 2017)