Meeting: 1003, Atlanta, Georgia, AMS CP 1, AMS Contributed Paper Session

1003-05-732 **Michael J. Ferrara**, **Ronald J. Gould** and **Gerard R. Tansey*** (gtansey@emory.edu), Department of Mathematics and Comp. Science, Emory University, 400 Dowman Drive, Suite W401, Atlanta, GA 30322, and **Thor Whalen**. *On H-Linked Graphs.*

For a fixed multigraph H, possibly containing loops, with $V(H) = \{h_1, \ldots, h_k\}$, we say a graph G is H-linked if for every choice of k vertices $v_1, \ldots, v_k$ in G, there exists a subdivision of H in G such that v_i represents h_i (for all i). This notion clearly generalizes the concept of k-linked graphs (as well as other properties). We present a sharp lower bound on $\delta(G)$ (depending on H) such that G is H-linked, for graphs G of sufficiently large order. (Received September 28, 2004)