1035-05-414   **Ronald J. Gould*** (`rg@mathcs.emory.edu`), Department of Math and Computer Science, Emory University, Atlanta, GA 30322. *Some recent results on strong connectivity.*

In this talk we consider several new developments on strong connectivity questions in 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). Using a k-matching as the graph H, we obtain the well-known idea of a k-linked graph. An H-immersion in G is similar to H-linkage, except that the paths in G, playing the role of the edges of H, are only required to be edge disjoint. We determining minimum degree conditions for a graph G to contain an H-linkage. We further generalize these results to find conditions for a graph G to contain an H-immersion with a bounded number of vertex repetitions on any choice of k vertices. This talk spans work in several papers and with several sets of coauthors. (Received September 06, 2007)