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Colton R. Magnant* (cmagnant@georgiasouthern.edu), PO Box 8093, Georgia Southern University, Statesboro, GA 30460. *Graph linkage with distance constraints.*

In this talk, we survey some recent results concerning linking vertices together using internally disjoint paths of prescribed lengths. This includes placing selected vertices on a Hamiltonian cycle in order at prescribed distances and linking pairs of vertices with disjoint paths in addition to other more general structures. (Received August 16, 2015)