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**Ralph J Faudree\*** (rfaudree@memphis.edu), Department of Mathematical Sciences, University of Memphis, Memphis, TN 38152. *Minimum Degree and Disjoint Cycles in Generalized Claw-free Graphs.*

For  $s \geq 3$  a graph is  $K_{1,s}$ -free, if it does not contain an induced subgraph isomorphic to  $K_{1,s}$ . For  $s = 3$ , such graphs are called claw-free graphs. Results on disjoint cycles in claw-free graphs satisfying certain minimum degree conditions will be discussed, such as if  $G$  is claw-free of sufficiently large order  $n = 3k$  with  $\delta(G) \geq n/2$ , then  $G$  contains  $k$  disjoint triangles. Also, the extension of results on disjoint cycles in claw-free graphs satisfying certain minimum degree conditions to  $K_{1,s}$ -free graphs for  $s > 3$  will be presented. These results will be used to prove the existence of minimum degree conditions that imply the existence of powers Hamiltonian cycle in generalized claw-free graphs. (Received September 24, 2012)