1146-05-529 Chris Stephens* (chris.stephens@mtsu.edu), Dong Ye, Xiaoya Zha and Dan Cranston.
4-vertex linkages in locally Hamiltonian graphs.

We prove every 5-connected locally Hamiltonian graph is K_4^- -linked. For 4-connected locally Hamiltonian graph G, either G is K_4^- -linked or the four vertices which fail to be so linked are separated by a specific structure. (Received January 29, 2019)