Chen, Zhi-Hong; **Lai, Hong-Jian**; **Luo, Weiqi**; **Shao, Yehong**
Spanning Eulerian subgraphs in claw-free graphs. (English) Zbl 1124.05054
J. Comb. Math. Comb. Comput. 59, 165-171 (2006).

A finite and loopless graph G is called claw-free if it does not contain an induced subgraph isomorphic to $K_{1,3}$. G is essentially k-edge-connected if for any edge set X with $|X| < k$ at most one component of $G - X$ has edges. It is shown that every essentially 4-edge-connected claw-free graph G has a spanning Eulerian subgraph with maximum degree at most 4.

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claw-free graph; essentially 4-edge-connected graph; spanning Eulerian subgraph