

论文

LONGEST CYCLES IN 2-CONNECTED CLAW-FREE GRAPHS

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摘要 M. Matthews and D. Sumner proved that if G is a 2-connected claw-free graph of order n , then $c(G) \geq \min\{2\delta + 4, n\}$. In this paper, we prove that if G is a 2-connected claw-free graph on n vertices, then $c(G) \geq \min\{3\delta + 2, n\}$ or G belongs to one exceptional class of graphs.

关键词 [Connected graph](#), [2-connected claw-free graph](#)

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Abstract M. Matthews and D. Sumner proved that if G is a 2-connected claw-free graph of order n , then $c(G) \geq \min\{2\delta + 4, n\}$. In this paper, we prove that if G is a 2-connected claw-free graph on n vertices, then $c(G) \geq \min\{3\delta + 2, n\}$ or G belongs to one exceptional class of graphs.

Key words [Connected graph](#) [2-connected claw-free graph](#) [cycle](#) [longest cycle](#)

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