

# Strongly cycle extendable graphs

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A graph is *strongly cycle extendable* if every cycle  $C$  that is formed from edges and one chord of a cycle  $C^+$  of length greater than  $C$  is also formed from edges and one chord of a cycle  $C'$  of length exactly one greater than  $C$  where  $V(C') \subseteq V(C^+)$ . I give two characterizations of this concept that are arguably more interesting than the concept itself. (Clue: chordal graphs and minimally 2-connected graphs predominate.)