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*Requiring Pairwise Nonadjacent Chords in Cycles*

Let  $\mathcal{G}_k$  be the class of graphs for which every cycle of length  $k$  or more has at least  $k - 3$  pairwise nonadjacent chords. This makes  $\mathcal{G}_4$  the class of chordal graphs and  $\mathcal{G}_5$  the class of distance-hereditary graphs. I characterize  $\mathcal{G}_k$  for all  $k$  (they are disparate through  $k = 7$  and very simple beyond that). Motivated by  $\mathcal{G}_4 \cap \mathcal{G}_5$  being the class of ptolemaic graphs, I also characterize  $\mathcal{G}_4 \cap \mathcal{G}_5 \cap \mathcal{G}_6$  (and beyond).