## Erdős-Pósa property of cycles that are far apart

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We prove that there exist functions f and g such that for all nonnegative integers k and d, for every graph G, either G contains k cycles such that vertices of different cycles have distance greater than d in G, or there exists a subset X of vertices of G, with  $|X| \leq f(k)$  such that  $G - B_G(X, g(d))$  is a forest, where  $B_G(X, r)$  denotes the set of vertices of G having distance at most r from a vertex of X.