Long Cycles and the Cycle Space of a Graph

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General conditions which force a graph $G$ to have a long cycle seem to force $G$ to have many long cycles. While this statement is somewhat imprecise, one can state and prove a few results to clarify its intent. For example, under certain conditions, long cycles generate the cycle space of a graph. Under certain conditions, there are long cycles through specified vertices. We look at a few of these instances, some open questions, and some of the linkages between the results. Actual proofs will be mostly absent although some general ideas may be sketched in one or two cases.