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Forbidding an odd cycle, extremal numbers and extremal graphs

For a simple graph G on n vertices, and a cycle C of odd length, how many edges can G have while not containing a copy of C as a subgraph and what does such an "extremal" graph look like? Bondy and Woodall found, for all but finitely many n , the number of edges in an extremal C -free graph. Their proof did not reveal what the extremal graphs are. Simonovits proved that for sufficiently large n , such an extremal graph is unique. In recent work with Furedi, all remaining extremal numbers and extremal graphs for odd cycles are found.