BRUCE REED, McGill University, Montreal; CNRS, Sophia–Antipolis *Erdős–Posa Property for Cycles of Prescribed Length*

Neumann-Lara proved that the Erdős–Posa property holds for even cycles, *i.e.*, he showed that for all k there is an f(k) such that every graph either has k vertex disjoint odd cycles or contains a set X of at most f(k) vertices intersecting every odd cycle. Here we discuss the Erdős–Posa property for various families of cycles, including odd cycles, cycles length zero mod m for arbitrary m, long cycles, and cycles which are non-zero mod m for odd m.