Vertex-disjoint cycles in graphs, multigraphs and directed graphs

Theo Molla (University of South Florida)

In 1963, Corrádi and Hajnal proved that every graph with at least $3k$ vertices and minimum degree at least $2k$ contains a collection of $k$ vertex-disjoint cycles. In this talk, we will discuss several related results and conjectures for graphs, multigraphs, and directed graphs.