Mathematics Department Colloquium

Speaker: Jonathan Tyler, research student of Dr. Hieu Nguyen

Title: Structural Results for Hamiltonian Paths in Cographs

Date and Time: Wednesday, November 18, 2020 at pm

Place: The colloquium is held on Google Meet at meet.google.com/zqg-xckf-iov

Abstract: The Hamiltonian path problem is a well-known NP-complete graph theory problem which is to determine whether or not it is possible to find a path through all the vertices of a graph, visiting each vertex exactly once. A cograph, or complement-reducible graph, or P4-free graph, is a graph that can be generated from the single-vertex graph K1 by complementation and disjoint union. In this talk I will present properties of cographs that guarantee the existence of Hamiltonian paths.