

This talk focuses on the general forms of directed domination polynomial of graphs. The domination polynomial enumerates all the dominating sets of a graph G . The dominating sets of a graph are sets such that all vertices are either in the set or adjacent to a vertex in the set. Additionally, all the graphs investigated in this paper are directed. In this talk we will investigate the domination polynomials of graphs having undergone the join or corona operation. This work was done in collaboration with my supervisor, Dr. Iain Beaton of Acadia University.