

1116-VF-876

Guoli Ding and **Kimberly D'souza*** (ksevin2@lsu.edu). *Decomposition of a Graph into its Quasi 4-Connected Components.*

In this talk we will discuss how to decompose a 3-connected graph G into its quasi 4-connected components. We will also define operations for reconstructing the graph G from its quasi 4-connected components. Finally, we will look at an application of this decomposition result to the problem of describing the class of graphs which excludes a weakly 4-connected graph H as a minor. (Received September 14, 2015)