

1058-15-130

Darren D. Row* (ddrow@iastate.edu). *Results for improving computation of zero forcing number.* Preliminary report.

The zero forcing number of a graph is the minimum size of a zero forcing set. This parameter is useful in the minimum rank/maximum nullity problem as it gives an upper bound to the maximum nullity. Techniques to improve computation of zero forcing number for certain families of graphs are presented. (Received February 11, 2010)