Combinatorics Seminar

Wednesday, October 12, 2016

1:00 pm in Hume 321

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On the signless Laplacian eigenvalues related to independence number of graphs

ABSTRACT

In this topic, we investigate the eigenvalues of signless Laplacian matrix of a connected graph with given independence number, and determined the graph which has the minimum least signless Laplacian eigenvalue among all non-bipartite graphs. We also determined the graph with the minimum algebraic connectivity among all connected graphs.