

## Distance Pareto eigenvalue of a graph

### Abstract

In this talk, we discuss Pareto eigenvalues of the distance matrix of connected a graph and find the minimum number of possible distance Pareto eigenvalue of a connected graph. Also, we discuss some bounds for the second-largest distance Pareto eigenvalue and find graphs with optimal second largest distance Pareto eigenvalue. Finally, we characterize all possible values for the smallest six-distance Pareto eigenvalues of a connected graph