
XIAOHONG ZHANG, Université de Montréal

Constructing cospectral graphs

In this talk, we present a way to construct families of graphs that are pairwise cospectral with respect to the adjacency, Laplacian, unsigned Laplacian, and normalized Laplacian matrices. For example, with this construction, we obtain a family of 373 graphs on 25 vertices, all cospectral with respect to the above four matrices.