

1096-15-319

Steven Osborne* (sosborne@iastate.edu), 396 Carver Hall, Ames, IA 50011. *Almost all trees are normalized Laplacian cospectral.*

It is known that almost all trees have a cospectral mate for the adjacency, Laplacian and signless Laplacian matrices. We show that almost all trees have a cospectral mate for the normalized Laplacian matrix as well. (Received August 28, 2013)