

Meeting: 1003, Atlanta, Georgia, AMS CP 1, AMS Contributed Paper Session

1003-11-285 **Derek B. Newland*** (dnewland@math.ucsd.edu), 9500 Gilman Dr., Math Department - 0112,
La Jolla, CA 92124. *Distribution of Zeros of the Ihara-Zeta Function.*

For a k -regular graph X , we are able to find the zeros of the determinant formula through the eigenvalues of the adjacency matrix for X . We find that the distribution of these zeros is GOE (Gaussian Orthogonal Ensemble). (Received September 07, 2004)