1127-05-217   **Hoi Huu Nguyen***, 13169 E Crosset Hill dr, Pickerington, OH 43147. *Eigenvalue repulsion and eigenvector delocalization in adjacency matrices of random graphs.*

We will establish a repulsion estimate for the number of eigenvalues inside an extremely small interval for the adjacency matrix of random Erdos-Renyi graph. We will also show that with extremely high probability the eigenvectors cannot be localized along any direction. (Received February 04, 2017)