

1077-15-1076 **Nasser Dastrange*** (dastrange@bvuv.edu), Buena Vista University, 610, West Fourth Street,
Storm Lake, IA 50588. *On the eigenvalues and eigenvectors of the adjacency matrices of the
complete graphs and complete bipartite graphs.* Preliminary report.

In this paper we use MATLAB software to compute the eigenvalues and the corresponding eigenvectors of the adjacency matrices of the complete graphs and complete bipartite graphs.

Furthermore, recent research, some interesting properties, and several examples will be presented to illustrate the topic. (Received September 16, 2011)