

Lab-03

1. Write a MATLAB program to find the largest eigenvalue and the corresponding eigenvector of a matrix.
 2. Find the largest and smallest eigenvalues and the corresponding eigenvector of the matrix $A = [5 \ 8 \ 4 \ 5 ; 8 \ 4 \ 3 \ 1 ; 4 \ 3 \ 6 \ 2 ; 5 \ 1 \ 2 \ 7]$
 3. One of the other eigenvalue is approximately found to be -4.2. Improve the accuracy of the eigenvalue and also find the eigenvector corresponding to this eigenvalues.
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