Assignment - 2

Pege No.

Dete

An eigenvalue of A is $\lambda_{2}^{2} = 7.7016$ The corresponding eigenvector of A is $v_{i} = \begin{bmatrix} -0.9582 \\ 0.2860 \end{bmatrix}$

0.0442

0.0445

0.0445

0.0445

0-0445

0:0446

0.0452

The exact eigenvalues of A are: -

λ,= # 7.7016 & λz=1.2984

The theoretical rate of convergence is:

Y.O.C = 0.0445

