Assignment 4

DUE: Monday, April 8th, 2024

Fundamentals of Matrix Computations, Third Edition

Question 1 Exercise 3.4.22 page 231 Let v_1 …

Question 2 Exercise 3.4.27 page 234 Count the flops …

Question 3 Exercise 3.4.28 page 235 Use several different …

Question 4 Exercise 4.1.14 and 4.1.15, page 261 Show that the equations

Question 5 Exercise 4.2.20, page 271

Use MATLAB to generate …

Question 6 Exercise 4.3.4 and Exercise 4.3.8 pages 277-278

Show that if …

Question 7 Exercise 4.3.9 page 278

Work this exercise using …

N(A) = {v_{r+1}, v_{r+2}, …, v_{m}}, r=rank(A)

Question 8 Exercise 4.3.10 page 278

MATLAB's pinv command …

Question 9 see Document Q9!