NAME; EUGENE NGONABO MATRIC NO : 17/ENG06/033 DEPARTMENT ; MECHANICAL ENGINEERING

commandwindow

clear

clc

a=[1 2 -1 3;2 3 0 1;1 0 -4 -2;0 -1 3 1]

eig(a)

a =

 1 2 -1 3

 2 3 0 1

 1 0 -4 -2

 0 -1 3 1

ans =

 3.6334 + 0.0000i

 1.6691 + 0.0000i

 -2.1513 + 1.7669i

 -2.1513 - 1.7669i

ans =

1. + 1.0000i

Its unstable because it positive

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