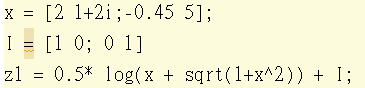
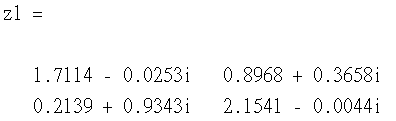
控制系統 HW1 106061226 施竣笙

1

輸入好x matrix與定義I matrix，並輸入function，得到Z1



Ans:

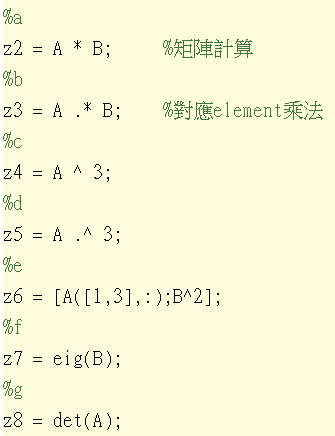


2

先輸入好A、B matrix

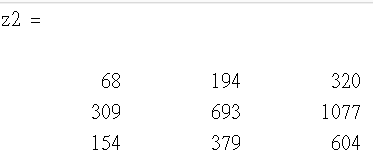


輸入各對應的function



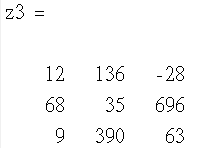
(a)

ANS:



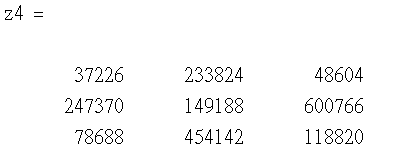
(b)

ANS:



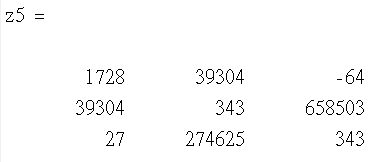
(c)

ANS:



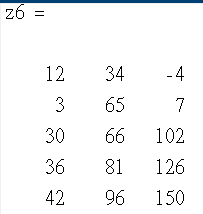
(d)

ANS:



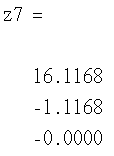
(e)

ANS:



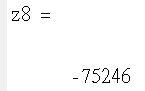
(f)

ANS:



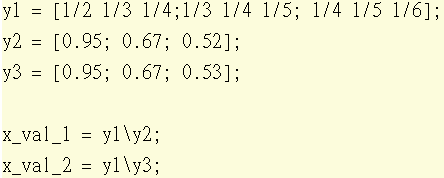
(g)

ANS:



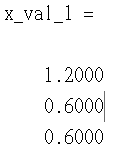
3

輸入好y1與y2，x\_val\_1代表有0.52的，x\_val\_2代表有0.53的。

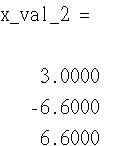


ANS:

1. 0.52(x\_val\_1):

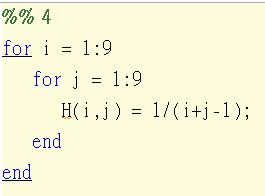


1. 0.53(x\_val\_2):

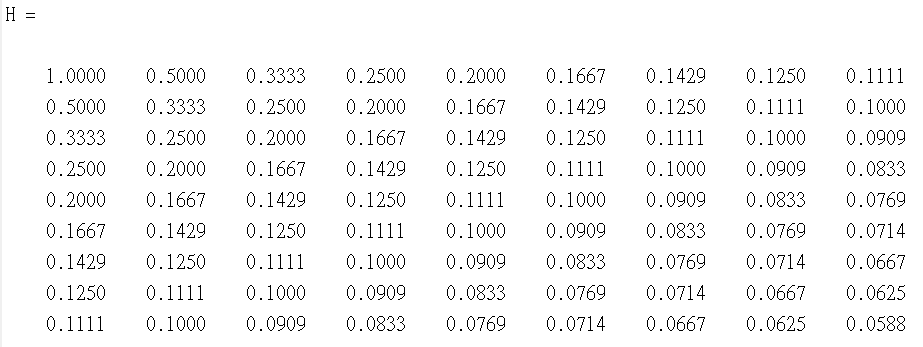


4 9\*9 Hilbert matrix

使用雙迴圈得到

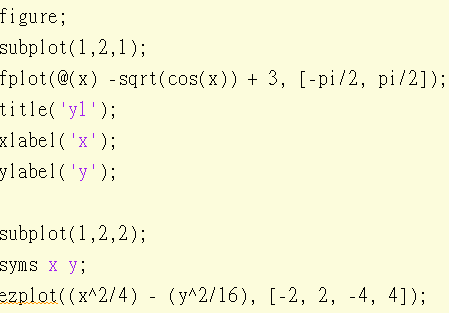


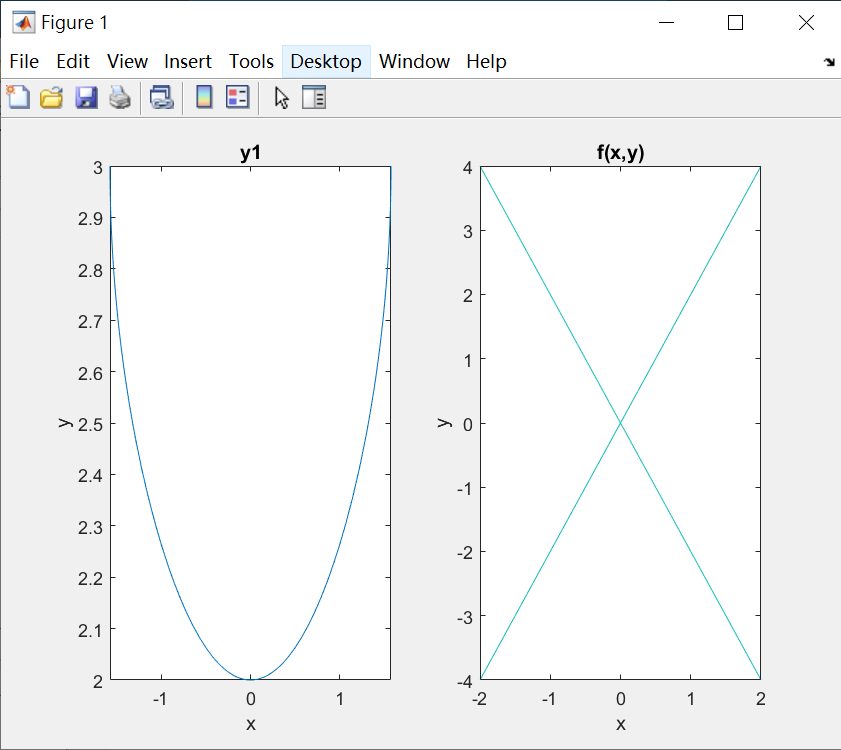
ANS:



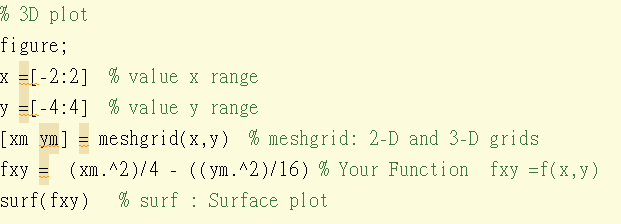
5

輸入好function並作圖





Or we can use



to get

