

**NAME: NGOCHINDO JIMA ESTUS**

**DEPT: CHEMICAL ENGINEERING**

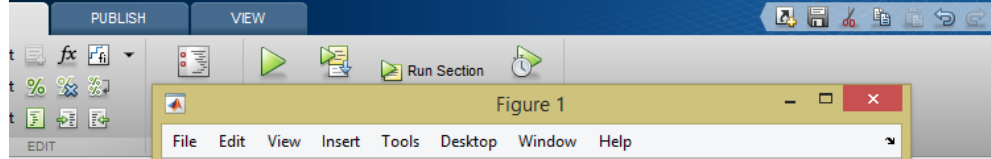
**MATRIC NO: 13/ENG01/008**

**COURSE: PROCESS DYNAMICS AND CONTROL**

**COURSE CODE: CHE 531**

**ASSIGNMENT 5**

1. commandwindow
2. clear all
3. clc
4. format bank
5. s=tf('s')
6.  $G_p = 3 / ((s+1) * (2*s+1) * (3*s+1))$
7. rlocus(Gp, [0:0.0001:3])
8. shg
9. [Ps, Kc]=rlocus(Gp, [0:0.0001:3]);
10. [Kc' Ps']
- 11.
12. %At the end of the matlab code run we can conclude that the system is
13. %stable for Kc values of 0-3 as all pole values are negative



```
1 -  clear
2 -  clc
3 -  format
4 -  s=tf('
5 -  Gp=(3/
6 -  rlocus
7 -  shg
8 -  [Ps, K
9 -  [Kc' E
10 -
11 -
12 -  %At th
13 -  %stabl
```

