```
clear
a = 2.66;
T = .188;
kc = 1.7;

c = tf([a*T,1],[T,1]);

p = tf([0,20],[1,12,20,0])
```

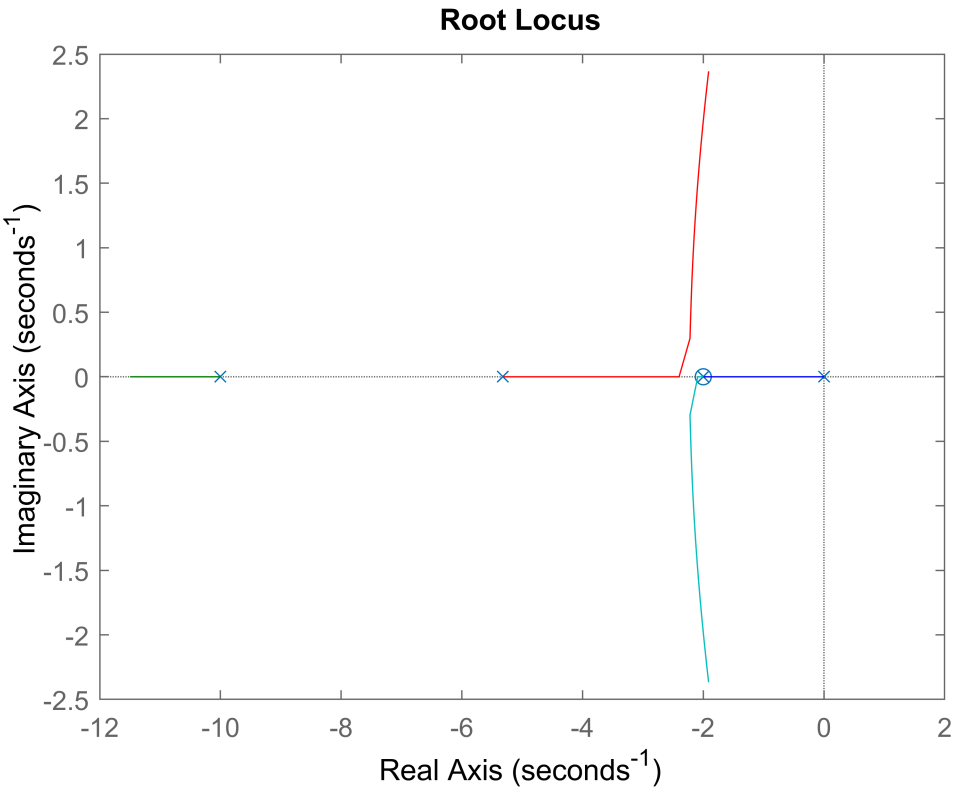
```
p =

          20
  -------------------
  s^3 + 12 s^2 + 20 s

Continuous-time transfer function.
```

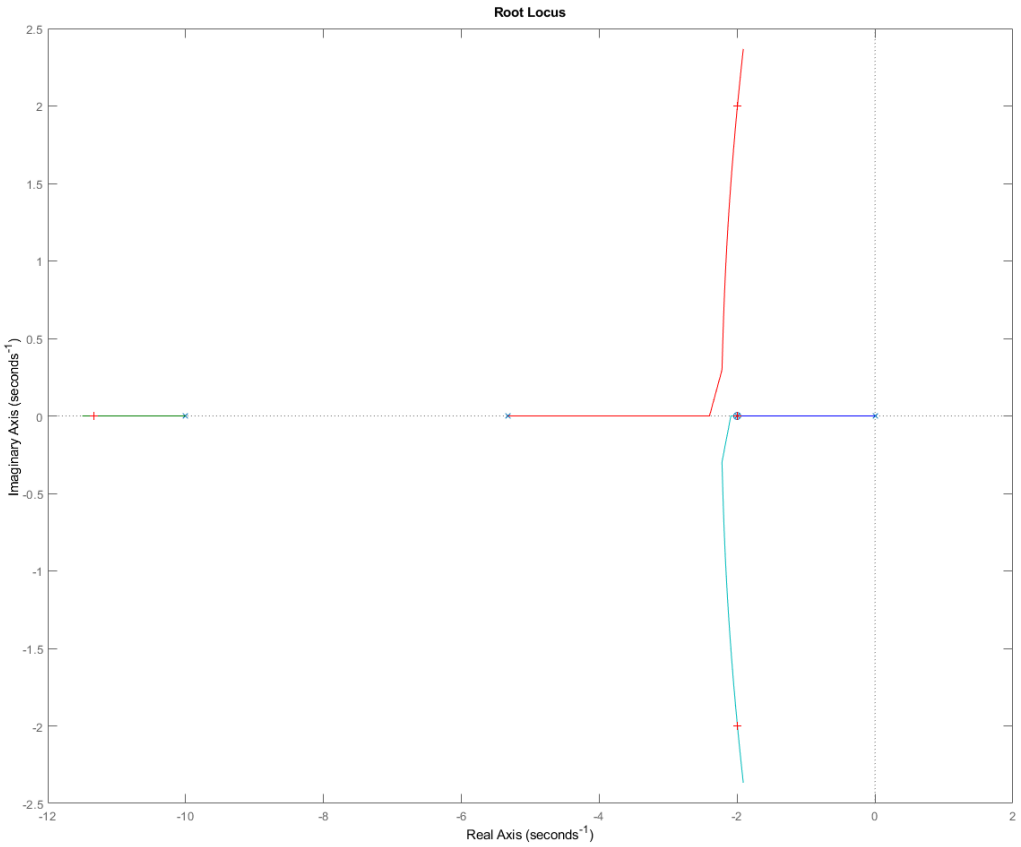
```
G = c*p;

Kmax=2;
K= 0:Kmax/100:Kmax; % step K by .01
rlocus(G,K);
```




```
rlocusplot(G,K);
[k] = rlocfind(G)
```

```
Select a point in the graphics window
```




```
selected_point = -1.9972 + 2.0000i
k = 1.6994
```