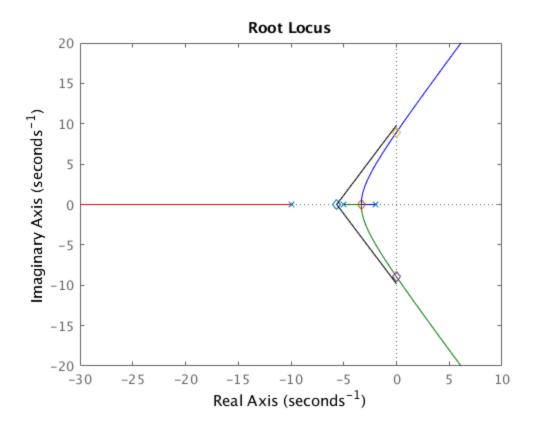
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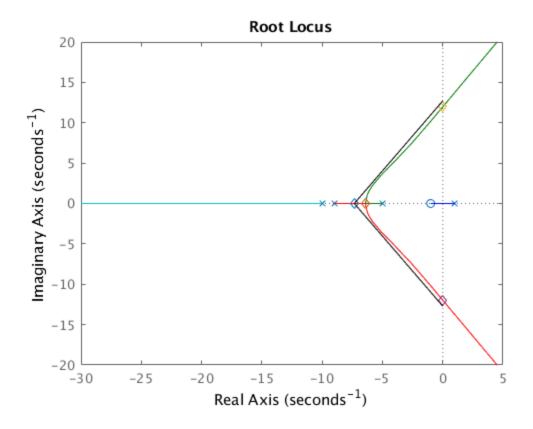
Homework 7 Problem 5

Continuous-time transfer function.



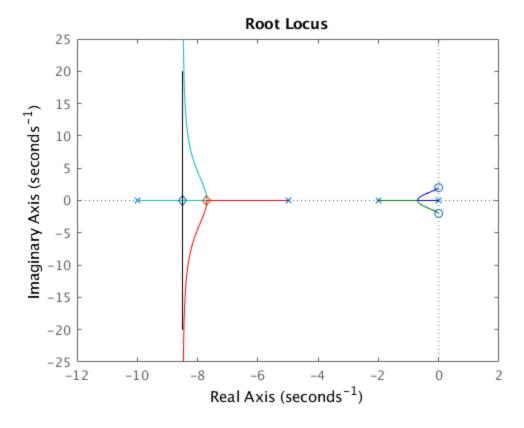
Homework 7 Problem 6

Continuous-time transfer function.



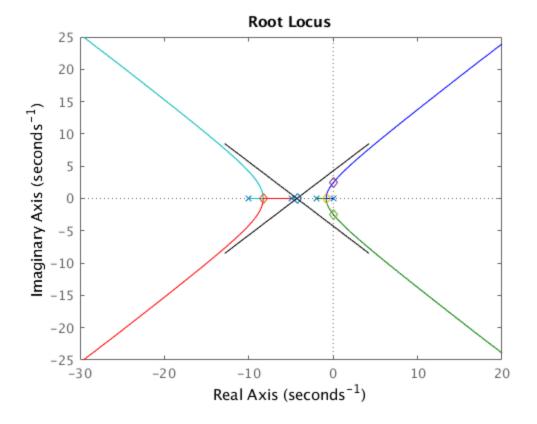
Homework 7 Problem 7

Continuous-time transfer function.



Homework 7 Problem 8

```
G8 = zpk([],[0,-2,-5,-10],20);
G8expand = tf(G8)
figure;
hold on
rlocus(G8);
int8 = -4.25;
break8first = -8.29;
break8second = -0.83;
intY8 = 2.43;
intYNeg8 = -intY8;
plot(int8,0,'d', break8first,0,'d', break8second,0,'d', 0, intY8,'d',
 0, intYNeg8, 'd');
line([-12.85,4.25], [-8.5,8.5], 'Color', 'k');
line([-12.85,4.25], [8.5,-8.5], 'Color', 'k');
G8expand =
               20
  s^4 + 17 s^3 + 80 s^2 + 100 s
```



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