
```
% Example rldesign.PI-1
```

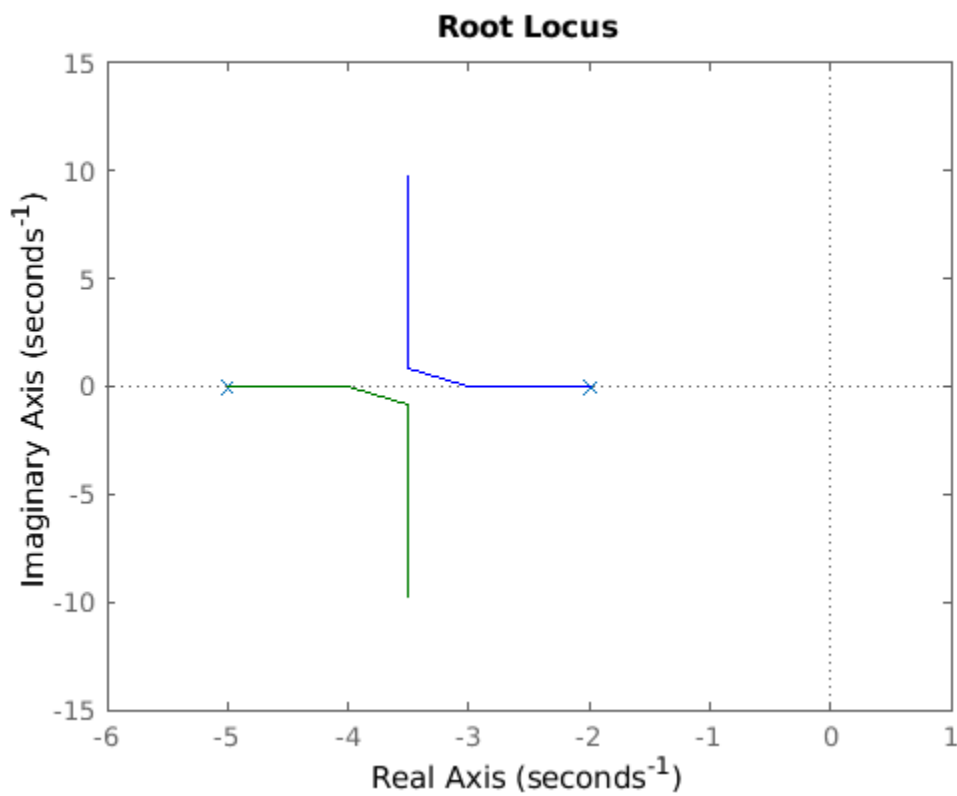
```
G = zpk([], [-2, -5], 10)
```

```
rlocus(G, 0:.1:10)
```

```
G =
```

$$\frac{10}{(s+2)(s+5)}$$

Continuous-time zero/pole/gain model.



```
K1 = 4.9;
```

```
rpole = -3.5;
```

```
zeroc = rpole / 5;
```

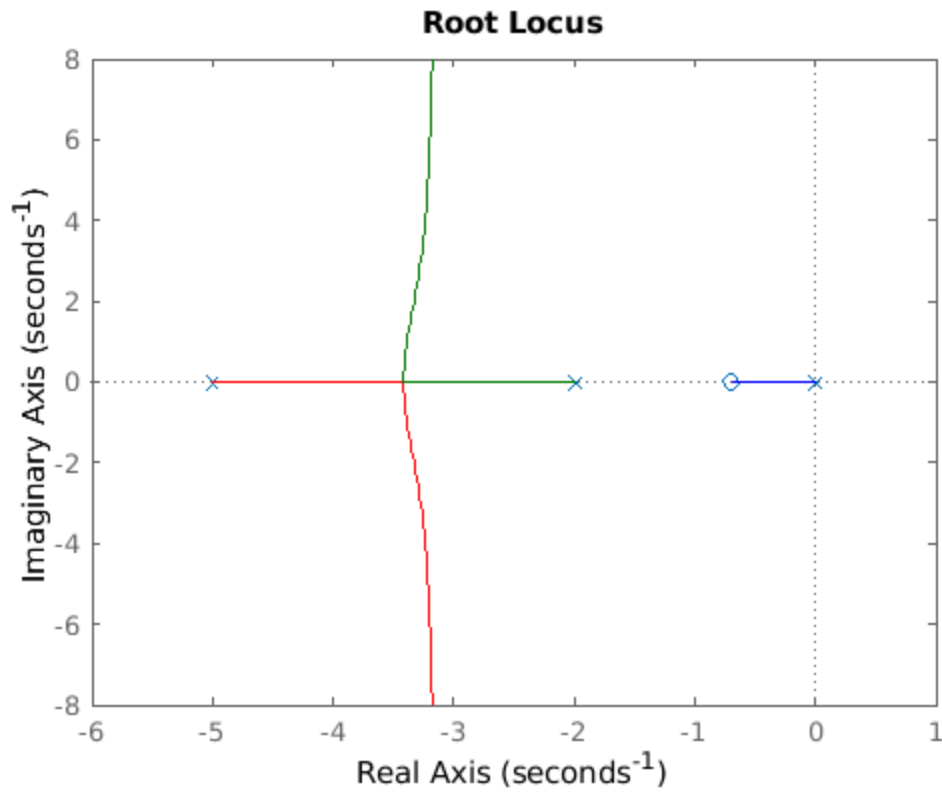
```
C = zpk([zeroc], [0], K1)
```

```
rlocus(C * G)
```

$C =$

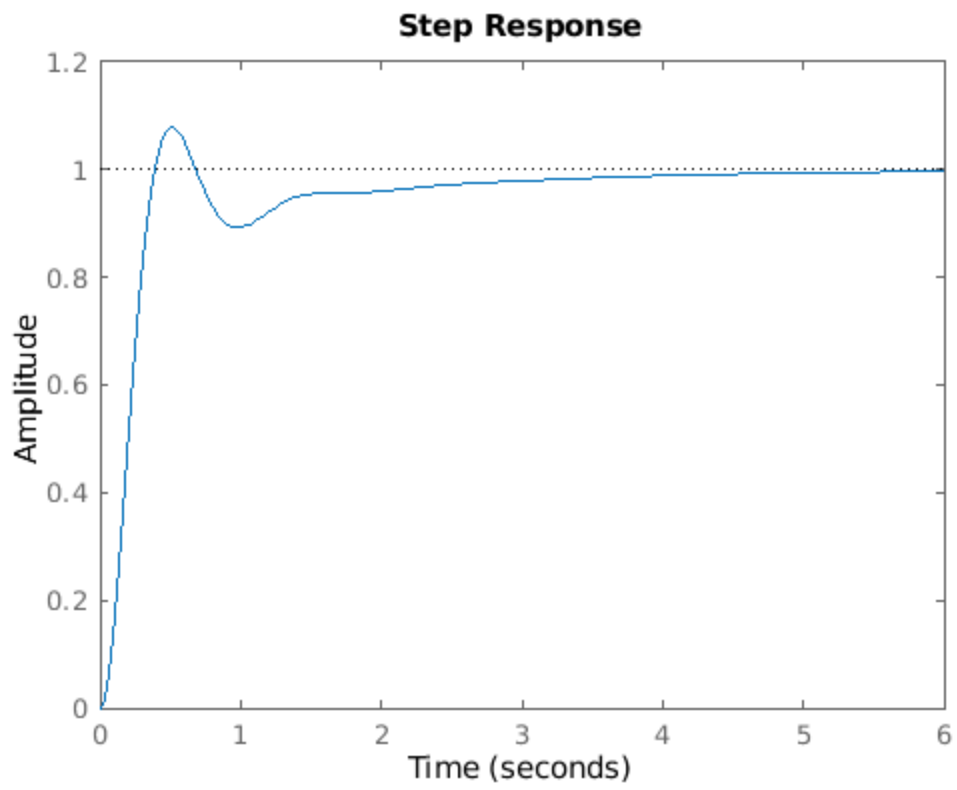
$$\frac{4.9 (s+0.7)}{s}$$

Continuous-time zero/pole/gain model.



$K2 = 0.887;$

```
step(feedback(K2 * C * G, 1))
```



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