

```
w = tf([180,270],[1, 20 109, 90])
```

```
w =
```

$$\frac{180 s + 270}{s^3 + 20 s^2 + 109 s + 90}$$

Continuous-time transfer function.

```
zpk(w)
```

```
ans =
```

$$\frac{180 (s+1.5)}{(s+10) (s+9) (s+1)}$$

Continuous-time zero/pole/gain model.

```
ss(w)
```

```
ans =
```

```
A =
```

	x1	x2	x3
x1	-20	-13.63	-2.813
x2	8	0	0
x3	0	4	0

```
B =
```

	u1
x1	4
x2	0
x3	0

```
C =
```

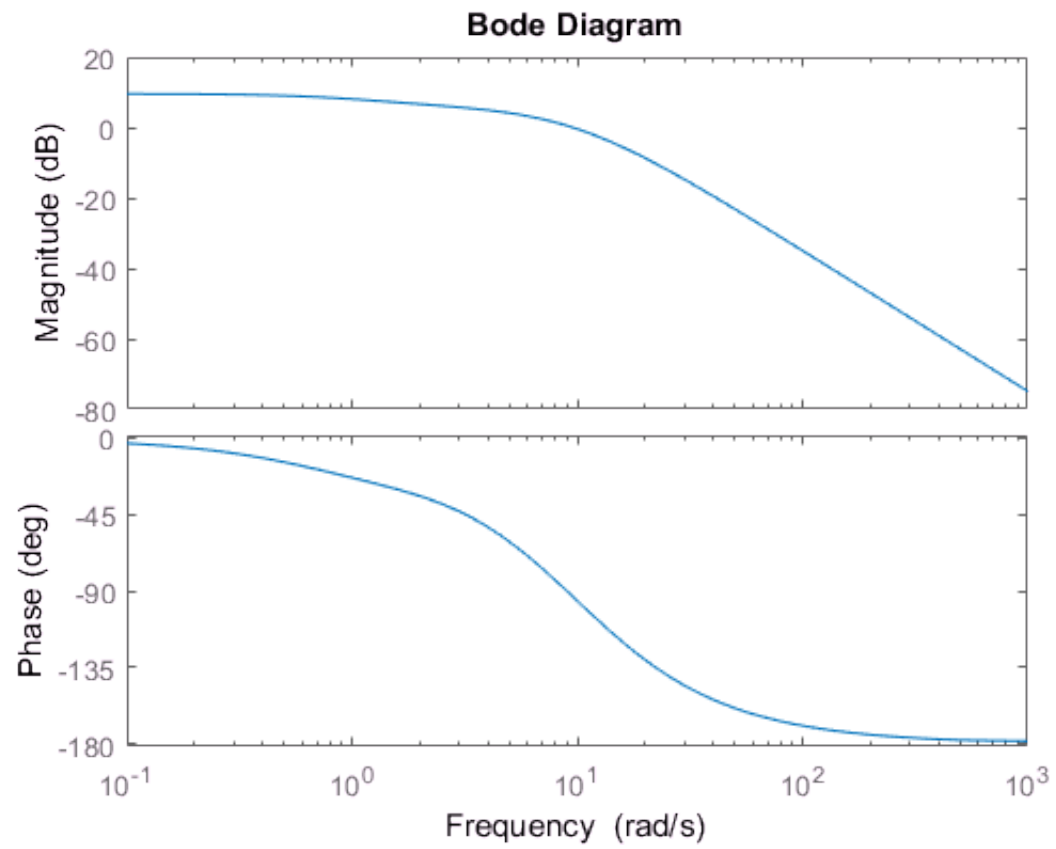
	x1	x2	x3
y1	0	5.625	2.109

```
D =
```

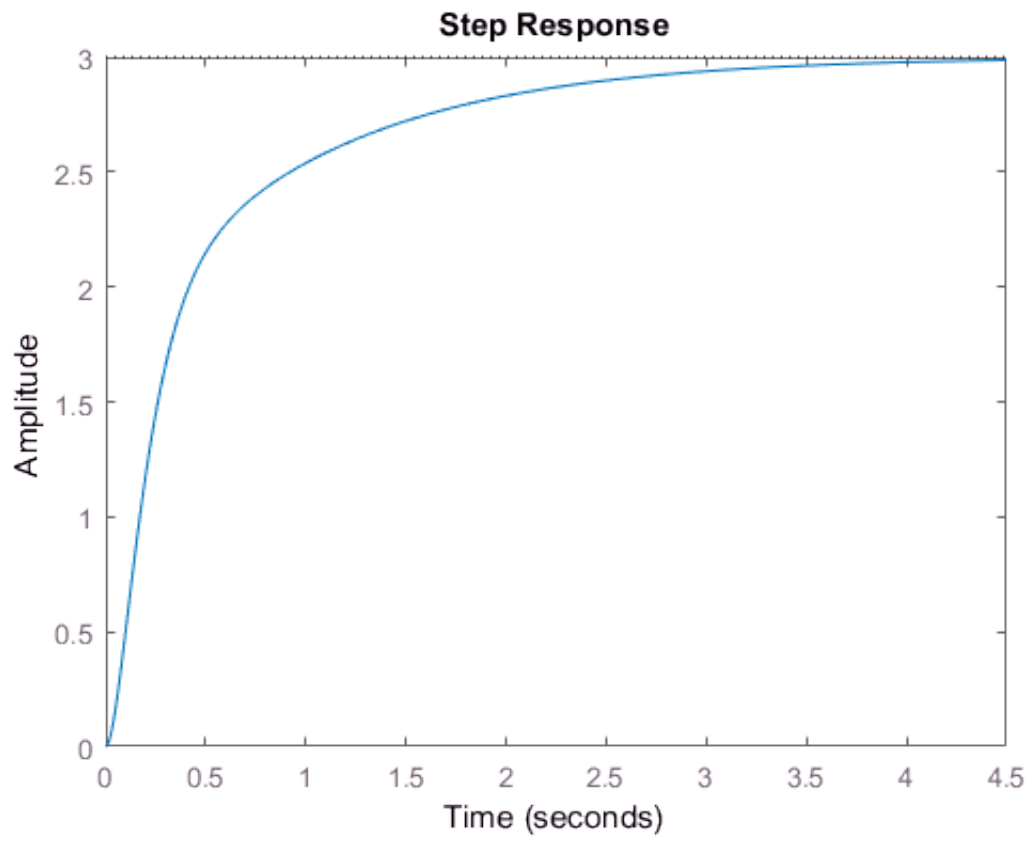
	u1
y1	0

Continuous-time state-space model.

```
bode(w)
```



step(w)



```
impulse(w)
```

