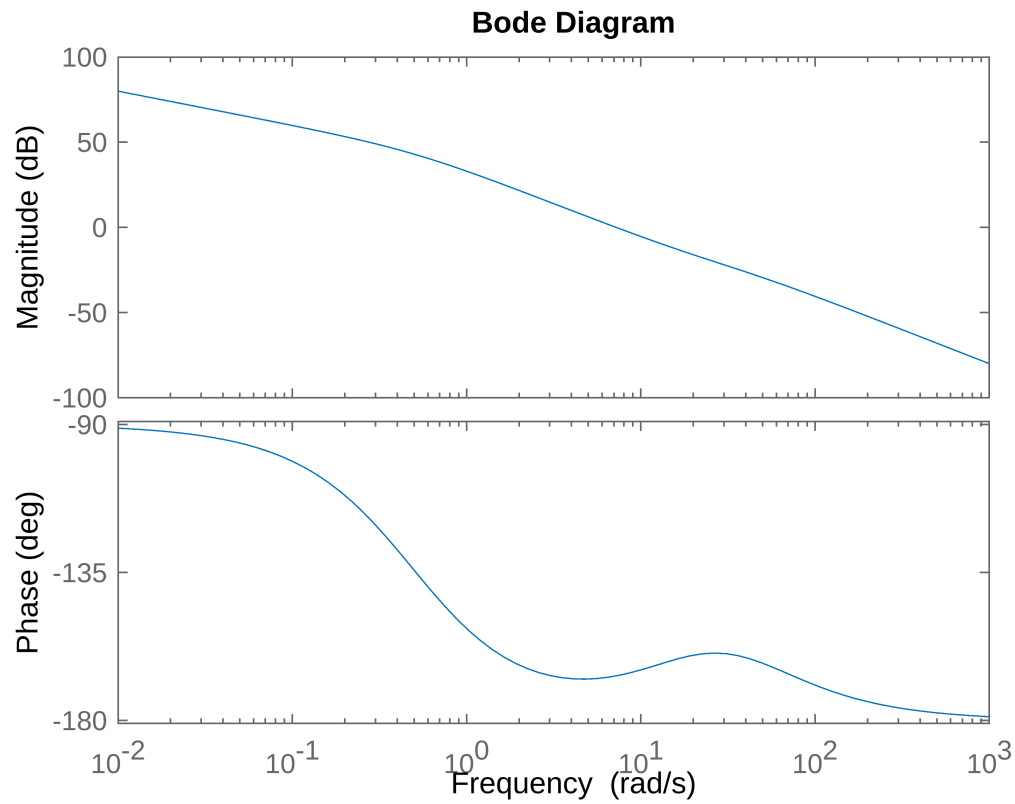# BODE DIAGRAM

Ejemplo 1

```
H = tf([200 4000 ],[2 81 40 0]);
bode(H)
```

Bode Diagram
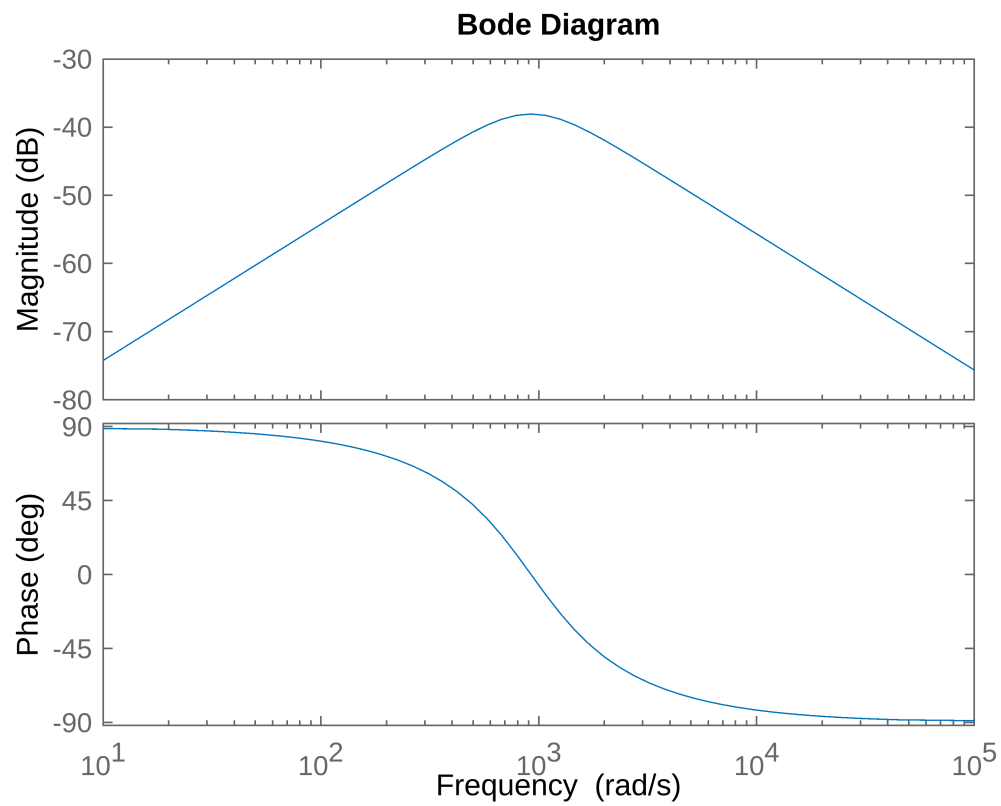

Ejemplo 2

```
L= 25e-3;
R=33;
c= 47e-6;

A=[0 1/c; -1/L -R/L];
B=[0 ; 1/2];
C=[0 R];
D= 0
```

```
D = 0
```

```
CC=[1 0]
```

```
CC = 1×2
     1      0
```

```
sys=ss(A,B,C,D);
H=tf(sys);
figure(1)
bode(H)
```


Bode Diagram

```
figure(2)
sys=ss(A,B,CC,D);
H=tf(sys);
bode(H)
```

Bode Diagram