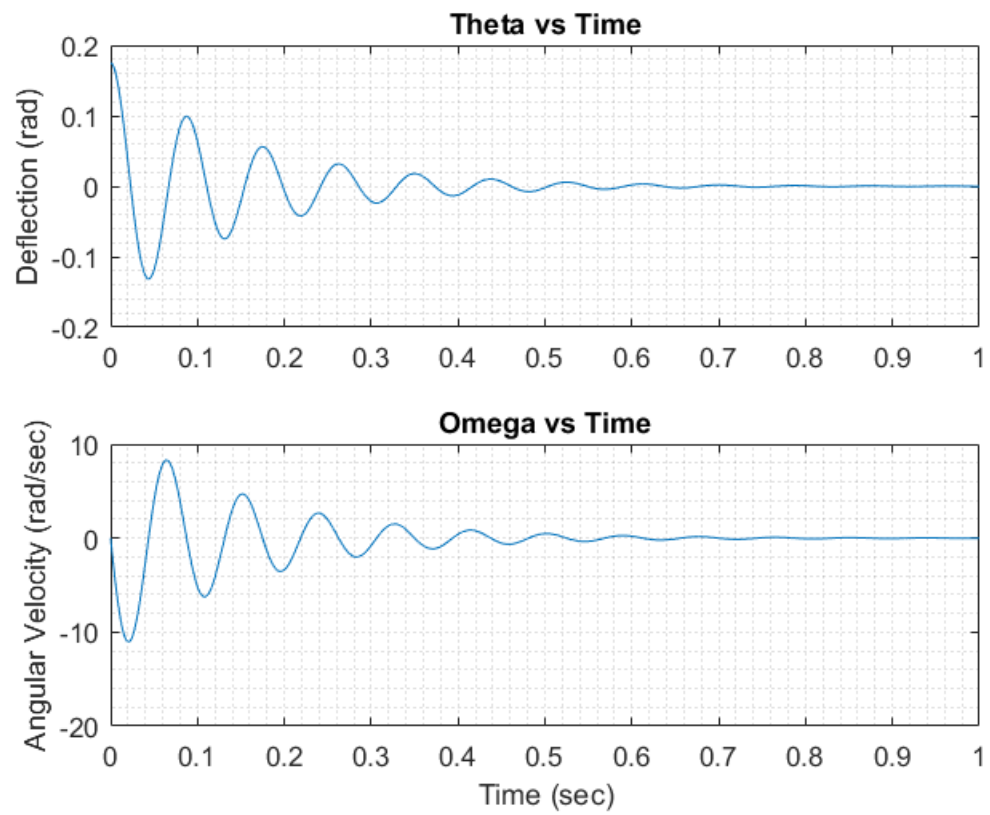

```
clear all;  
close all;  
clc
```

Variables

```
J=0.01;  
B=0.13;  
K=52;  
theta_0=0.175;  
dt=0.01;
```

Run simulink and plot

```
subplot(2, 1, 1)  
sim('PS2_P2_sim.slx')  
plot(t,theta)  
title('Theta vs Time')  
ylabel('Deflection (rad)')  
grid minor  
subplot(2, 1, 2)  
plot(t,omega)  
title('Omega vs Time')  
ylabel('Angular Velocity (rad/sec)')  
xlabel('Time (sec)')  
grid minor
```



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