

3.b)

```
zeta_h = 1.1;  
W_h = 30;  
omega_n_h = omega_n_theta/W_h;  
P.altitude_kp = 2*zeta_h*omega_n_h/P.K_theta_DC/P.Va0;  
P.altitude_ki = omega_n_h*omega_n_h/P.K_theta_DC/P.Va0;  
P.altitude_kd = 0.0;
```

3.c)

kp =

0.1139

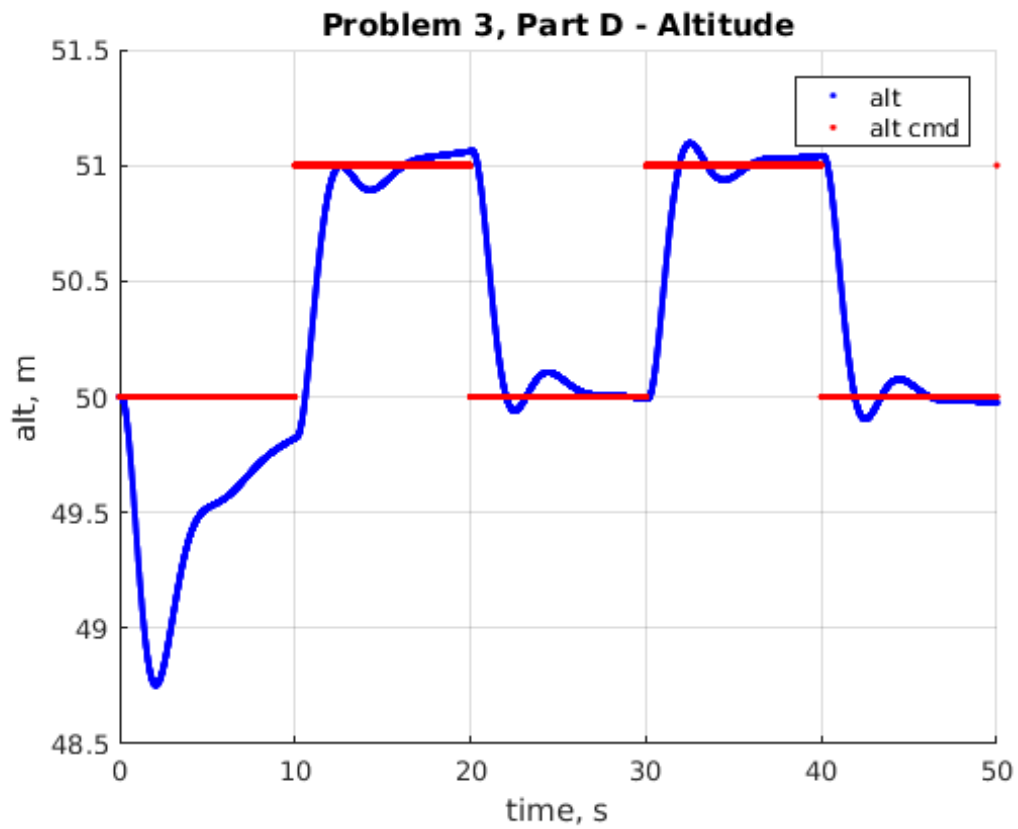
ki =

0.0231

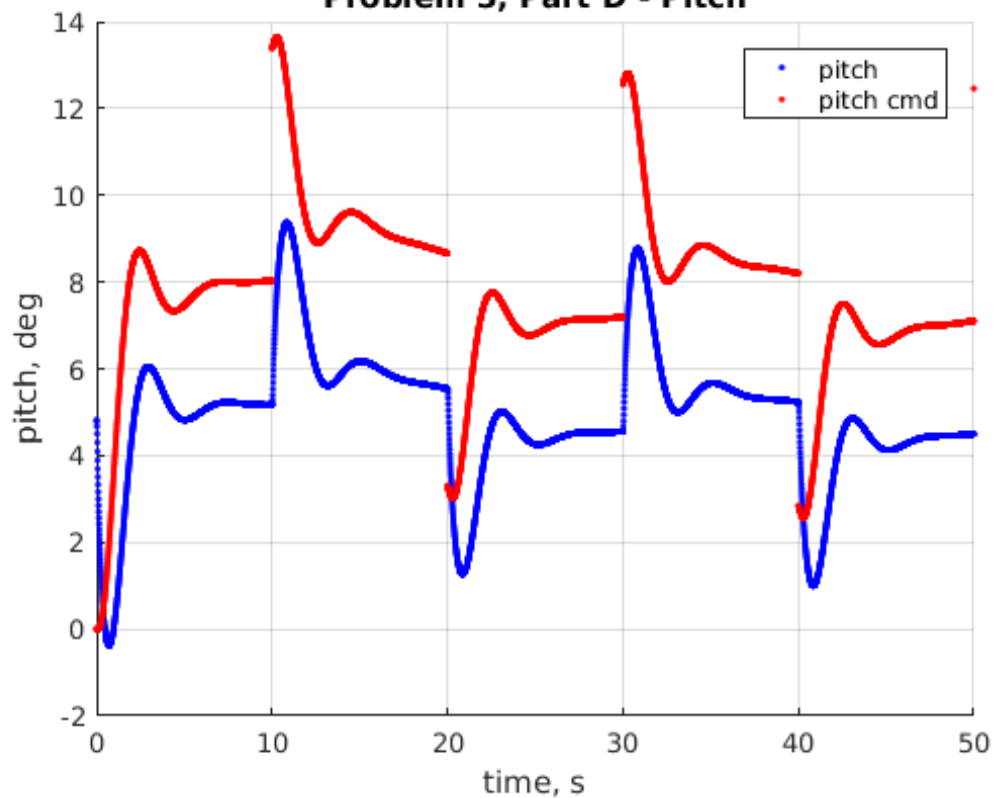
kd =

0

3.d)



**Problem 3, Part D - Pitch**



**Problem 3, Part D - Elevator Deflection**

