2.b)
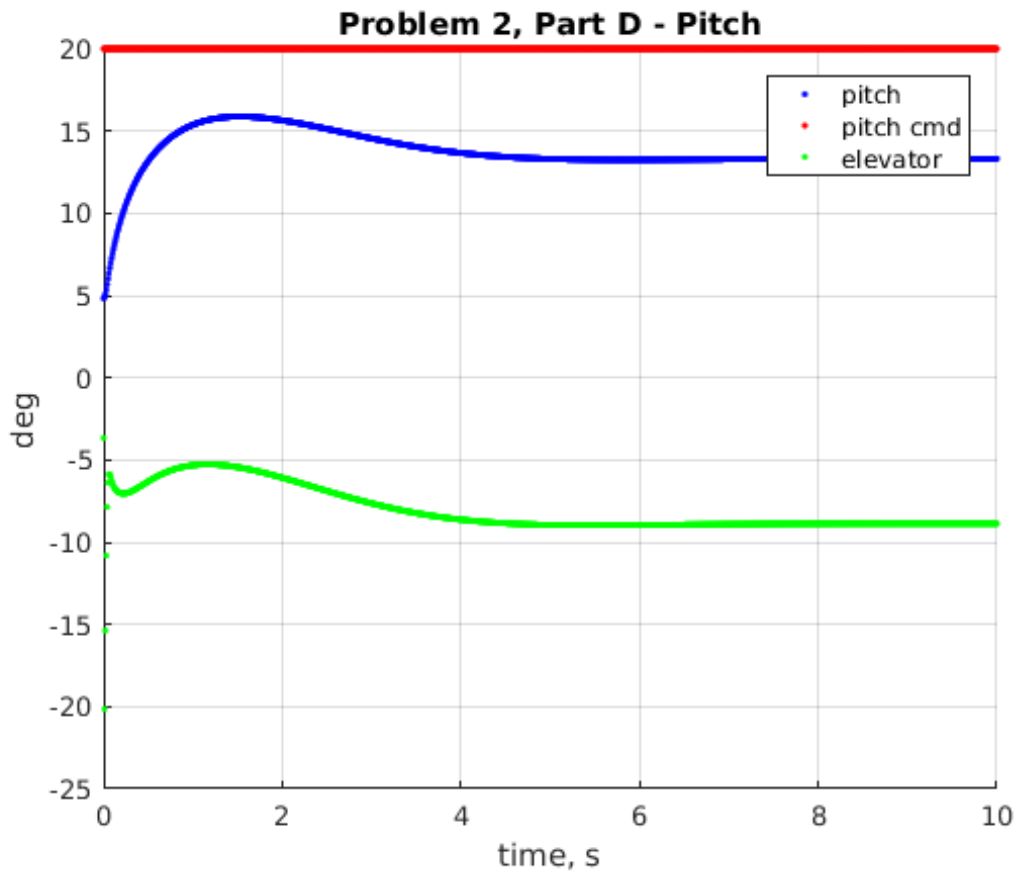```
e_theta_max = 30*pi/180;
zeta_pitch = 0.9;

P.pitch_kp = P.delta_e_max/e_theta_max*sign(models.a_theta3);
P.pitch_ki = 0.0;
omega_n_theta = sqrt(models.a_theta2 + P.pitch_kp*models.a_theta3);
P.pitch_kd = (2*zeta_pitch*omega_n_theta - models.a_theta1)/models.a_theta3;
P.K_theta_DC = P.pitch_kp*models.a_theta3/(models.a_theta2 +
P.pitch_kp*models.a_theta3);
```

2.c)
kp =
  -1.5000
ki =
   0
kd =
  -0.2120
k_dc =
   0.6637


2.d)



Problem 2, Part D - Pitch

2.e) `ss_pitch = 20*P.K_theta_DC`

```
ss_pitch =
    13.2743 (This is about where the blue line above levels
off to)
```