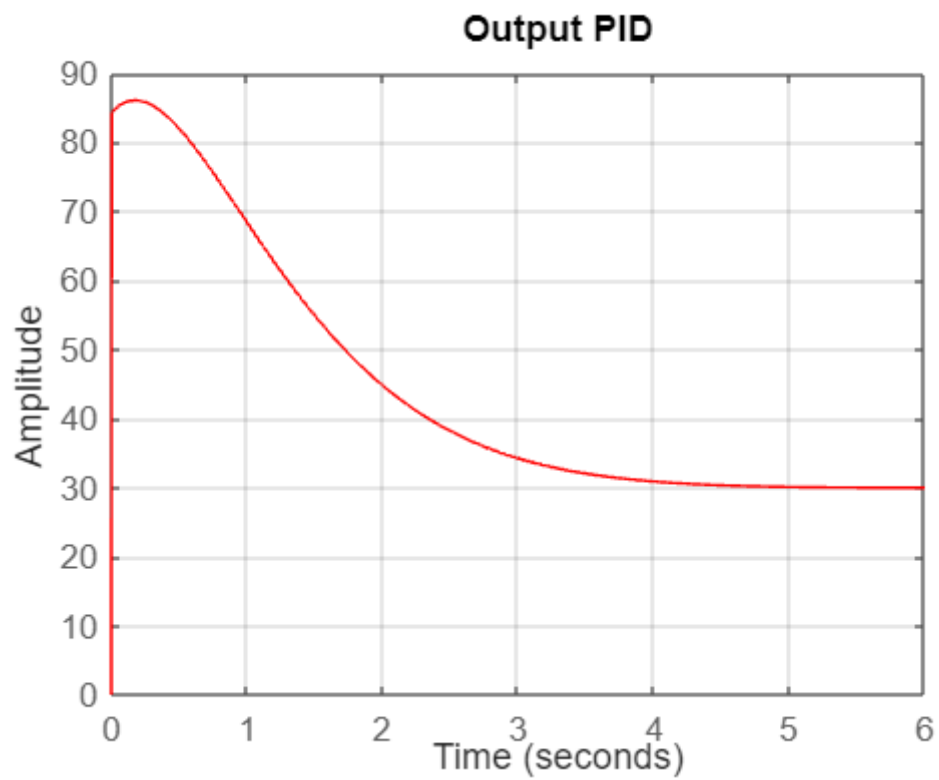
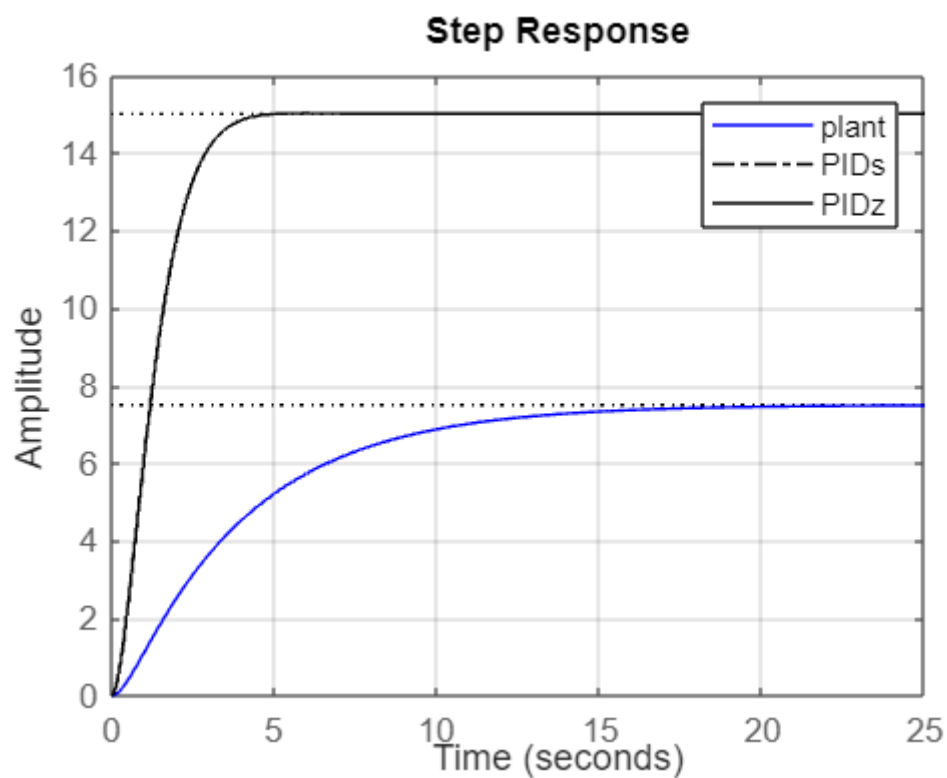


Contoh Output skrip Matlab:



ax_m = 86.0689



ans = 1x2 struct

| Fields | RiseTime | TransientTime | SettlingTime | SettlingMin | SettlingMax | Overshoot | Undershoot | Peak | PeakTime |
|--------|----------|---------------|--------------|-------------|-------------|-----------|------------|---------|----------|
| 1 | 8.5500 | 15.5500 | 15.5500 | 6.7554 | 7.4983 | 0 | 0 | 7.4983 | 32.9500 |
| 2 | 2.2000 | 3.6500 | 3.6500 | 13.5280 | 15.0157 | 0.1049 | 0 | 15.0157 | 5.9000 |

Cz =

$$K_p + K_i * \frac{T_s}{z-1} + K_d * \frac{z-1}{T_s}$$

with $K_p = 5.69$, $K_i = 1.46$, $K_d = 0.141$, $T_s = 0.05$

Sample time: 0.05 seconds

Discrete-time PID controller in parallel form.

[Model Properties](#)