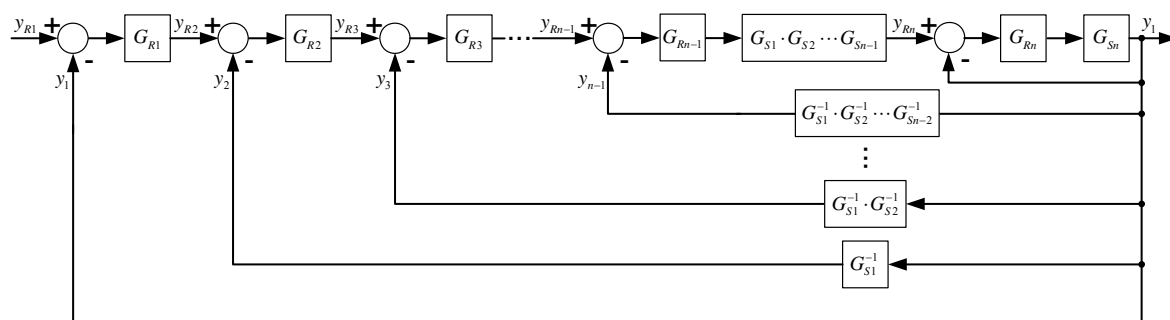
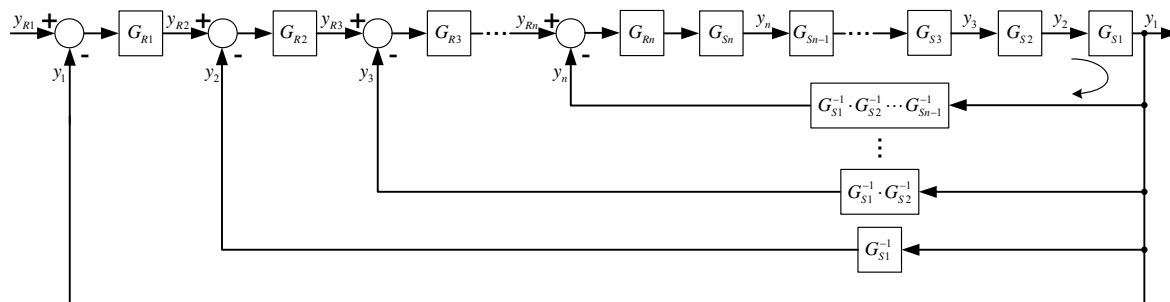
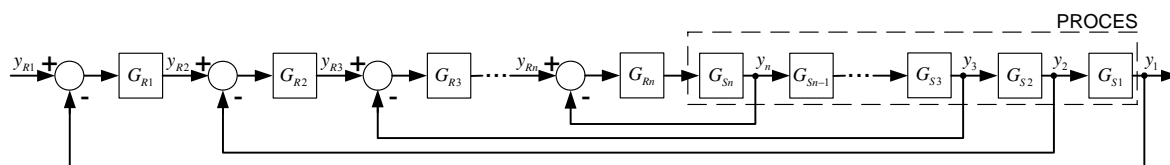
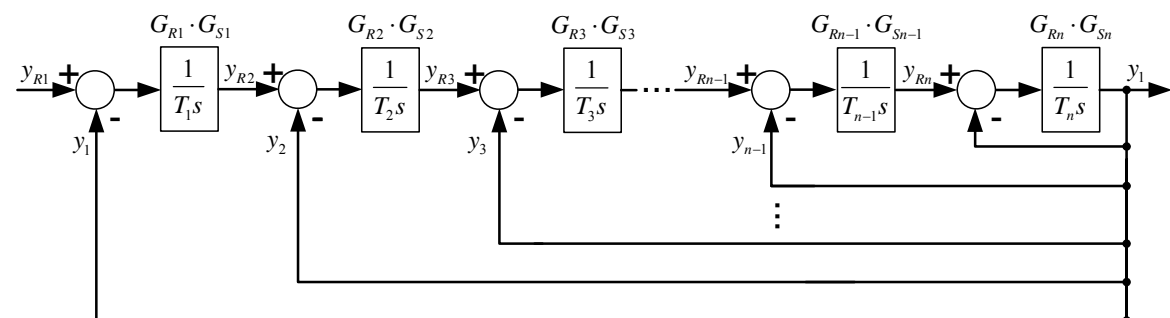
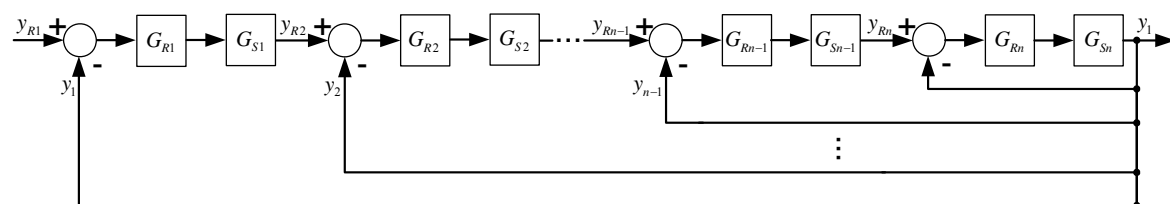


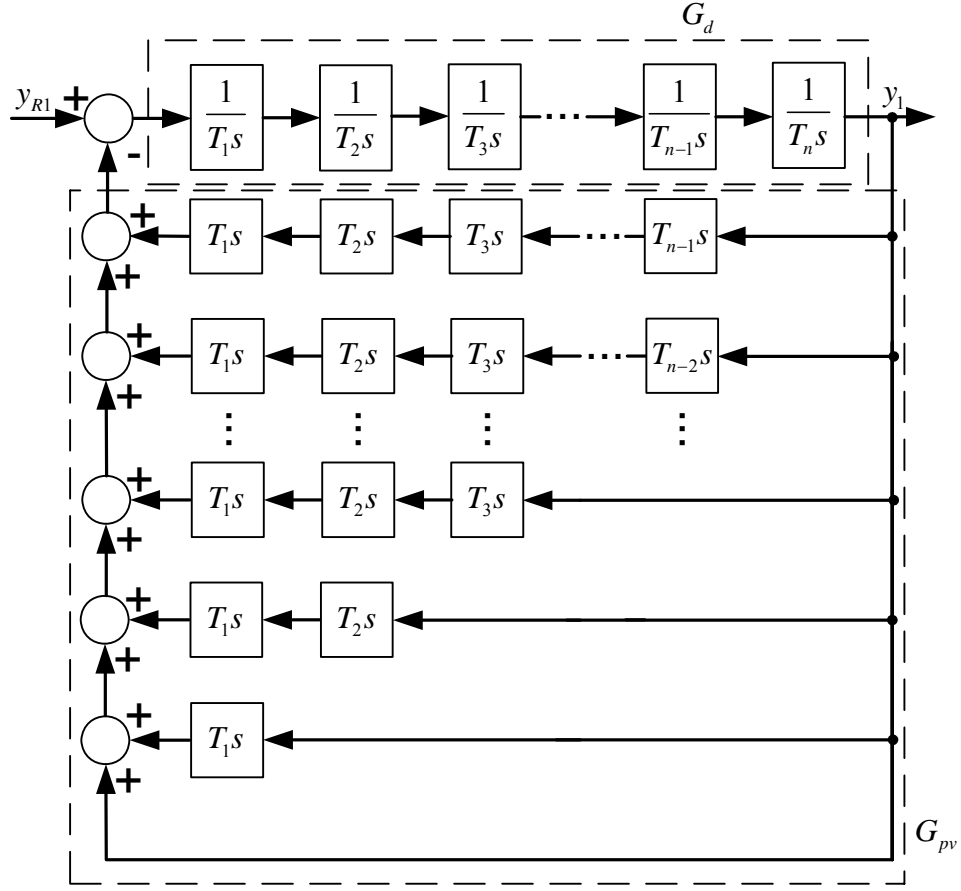
Višepetljasti kaskadni sustav upravljanja



Ovisno o tome da li je $G_{Si}(s)$ PT1 ili PT2 član, primjenjuje se PI ili PID regulator.

$$G_{Ri}(s) \cdot G_{Si}(s) = \frac{K_{Ri}}{T_{iis}} = \frac{1}{T_i s}$$





$$G_y(s) = \frac{y(s)}{y_{R1}(s)} = \frac{G_d(s)}{1 + G_d(s)G_{pv}(s)} = \frac{\frac{1}{T_1 T_2 T_3 \dots T_n s^n}}{1 + \frac{1 + T_1 s + T_1 T_2 s^2 + \dots + T_1 T_2 \dots T_{n-1} s^{n-1}}{T_1 T_2 T_3 \dots T_n s^n}}$$

$$G_y(s) = \frac{1}{1 + T_1 s + T_1 T_2 s^2 + \dots + T_1 T_2 \dots T_n s^n}$$