Estudiante: Sofía Hernández Arrieta

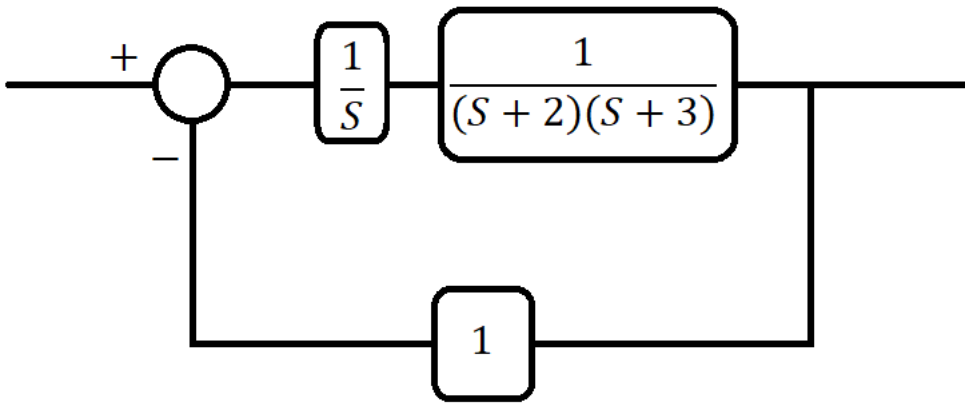# Constante error de posición estática Kp



$$G(s) = \frac{1}{s(s+2)(s+3)}$$

$$e_{ss} = \lim_{s \to 0} \left( s \cdot \frac{1}{1+G(s)} \cdot \frac{1}{s} \right) \to \lim_{s \to 0} \left( s \cdot \frac{1}{1 + \dfrac{1}{s(s+2)(s+3)}} \cdot \frac{1}{s} \right)$$

$$e_{ss} = \left( \frac{1}{1 + \dfrac{1}{0(0+2)(0+3)}} \right) \to \left( \frac{1}{1 + \dfrac{1}{0}} \right) \to \left( \frac{1}{1+\infty} \right) \to \left( \frac{1}{\infty} \right) \to 0$$