Tarea#11

Alejandro Rodriguez Sáenz

Curso: Control Automático

Hallar el centroide y angulo de salida para el sistema $G(s)H(s) = \frac{s^2+8s+12}{(s+3)(s^2+11s+15)}$

$n = 3$

$q = 2$

$$\sum_{i=1}^{n} Pi = -2 - 6 = -8$$

$$\sum_{i=1}^{p} Zi = -3 - 1 - 1 = -5$$

$$c = \frac{-8 \mp 5}{1} = -3$$

$$\emptyset = 180 + \sum_{i=1}^{q} \emptyset Zi - \sum_{i=1, i \neq x}^{n} \emptyset Pi$$

$180 + (21.8 + 63.43) - (45 + 90) = 180 + 85.23 - 135$

$180 - 49.77 = 130.23$

$\emptyset = 130.23$