CMC-12: Linta 8

Lucas do Vale Bazerra

(D) Do diagrama de bloos:

$$y = [x^2y) \cdot (K_p + K_2 \cdot N) + D(N)] \Rightarrow y \left(1 + \frac{K_p + K_d \cdot N}{N(mn+b)}\right) = \frac{D}{N(mn+b)}$$

$$\frac{y(n)}{D(n)} = \frac{1}{m} \cdot \frac{1}{N^2 + \left(\frac{K_d + b}{m}\right)n + K_{g/m}} = \frac{G(N)}{N(mn+b)}$$

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$$\frac{1}{N(n)} = \frac{1}{N} \cdot \frac{1}{(K_{g/m} - \omega^2)^2 + \left(\frac{K_d + b}{m}\right)\omega_d}$$

$$\frac{1}{N(n)} = \frac{1}{N} \cdot \frac{1}{(K_{g/m} - \omega^2)^2 + \left(\frac{K_d + b}{m}\right)\omega_d} = \frac{Ay}{Ad}$$

$$\frac{1}{N(n)} = \frac{1}{N(n)} \cdot \frac{1}{N(n)} \cdot \frac{1}{N(n)} = \frac{Ay}{N(n)} \cdot \frac{1}{N(n)}$$

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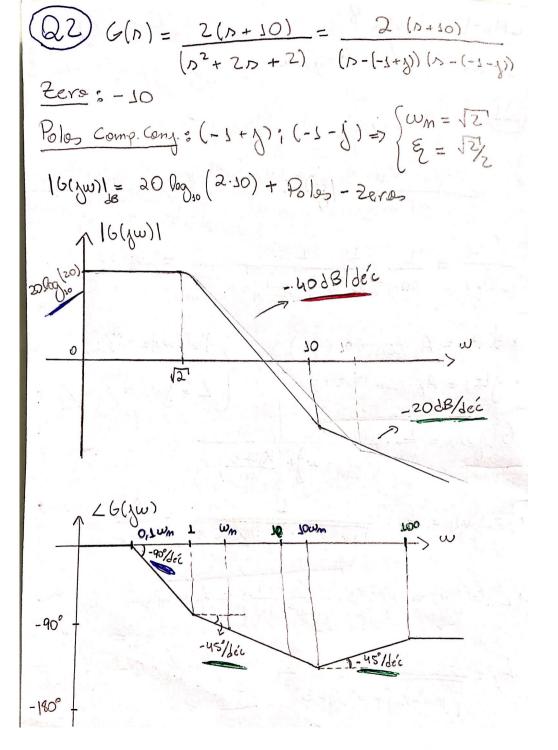
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Po diagrama de blocos:

$$Y = (R - Y - N) \cdot \frac{K}{mn + b}$$
 $\frac{K}{mn + b}$ 
 $\frac{K}{mn + b + K}$ 
 $\frac{K}{mn + b + K}$ 

So = lim n.  $R(n) \cdot (1 - G(n)) \leq 0, 1$ 
 $\frac{K}{n + b} = \frac{b}{b + K} \leq 0, 1$ 
 $\frac{K}{n + b + k} = \frac{b}{b + K} \leq 0, 1$ 
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