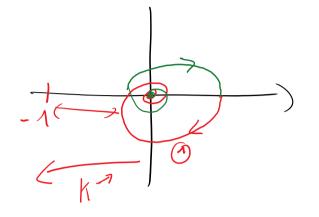
jeudi 24 septembre 2020

08.38

Nyquist avec C(p)=-1



Nyavist arce C(b)= 1 (Stretrie centrale)

rui mathématiquement si le jain st petit

mais on re fait pur de

Réglage 7 1D:

CPID= Kp (1+ TiTd p2+Tip)

2) il fant apporter de la phose en Wo = 8,3 15-3

-) Actuellement: \$\rightarrow -133 deg en ws

-1 on doit lajouter = 35°

Avec ti = 47d

CPID = (KP) (1+27d P)

Tip

Phod du (10:

- 90 + 2 Archan (27d w) = 30

() Archan (17d us) = 60

() Tod =
$$\frac{\tan(6)}{2w}$$

Transposition: =) idee: (emplacer pu prove expression en Z.

Fular: $P = \frac{1-2^{-1}}{7e}$

Thistin: $P = \frac{1}{7e} \frac{1-2^{-1}}{1+2^{-1}}$

Uh: a result while a substitute of the control of the contr

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$$\frac{1}{E} = \frac{h}{1 - 2^{-1}} \left(\frac{1 - 2^{-1}}{Te} \right) \left(\frac{1 + 2Td}{Te} \right) \left(\frac{1 - 2^{-1}}{Te} \right)$$

 $\frac{\sum_{k=1}^{\infty} \frac{1}{\sum_{k=1}^{\infty} \frac{1}{\sum_$

$$= \frac{2(h) + 2 \xi(h-1) + 3 \xi(h-1) - u(h) - u(h-1) + 4 u(h-1)}{2(h) - \xi(h) + 2 \xi(h-1) + 3 \xi(h-1) + v(h-1) - 4 v(h-1)}$$

Traitement spéulique.

()
$$T_{ransguinn}$$
:
$$U(2) = h \ E(2) + \frac{h}{T_i} \frac{Te}{1-2^{-1}} \ E(2) + h \ Td \frac{1-2^{-1}}{Te} \ E(h)$$