$$M_{pz} = 0,025$$
 $t_{sz} = 1 \text{ seg.} = 0$ $U_{n}^{2} = 5,25$ $U_{n}^{2} = 5,25$

 $FTMA = \frac{K}{S(S+1)} \Rightarrow FTMF \Rightarrow P(S) = S(S+1) + K$ $= S^{2} + S + K$

Adongules Assympt. 90°, 270° 2 branches 2 Assymptotes

$$S(S+1)+K=0$$

$$S^{2}+S+K=0$$

$$K=-(S^{2}+S)$$

$$dK=/(2S+1)=0$$

$$S=\frac{1}{2}$$

$$S^{2}+S+K=0$$

$$(j\omega)^{2}+j\omega+K=0$$

$$-\omega^{2}+j\omega+K=0$$

$$Ju\leq 0 \qquad \leq \omega=0$$

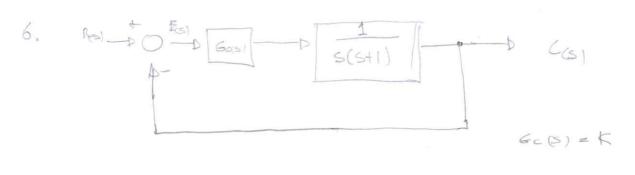
$$Ju\leq 0 \qquad \leq \omega=0$$

Rob: Ø

RE 2-W=0 SW=0
RE 2-W=K=0 ZK=0
Indexcept
at W=0

PI > K > O -0,5 > S > O Mos oscilca neste motor val

(0,5)2+0,5+K=0 0,25-0,5+K=0 K=0,25



P1, P2 no perlence des LGR

no oscilo para -95 >5 >0