## APENDICE A

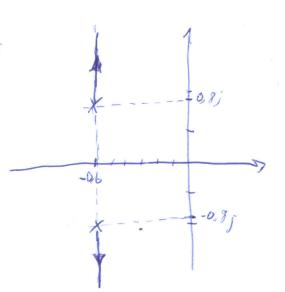
# Experiência 5 - Experimento 2.

## LGR1

$$G(S) = \frac{1}{S^2 + 1.2S + L}$$
  $P_1 = -0.6 - 0.8 \text{ g}$ 

$$G_{n} = \frac{-0.6 - 0.6}{2 - 0} = -0.6$$
  $P_{2} = -0.6 + 0.8j$ 

$$\theta_{0} = \frac{(2H+1)\pi}{2-6} \int_{0}^{2\pi} \frac{H/2}{2} \frac{1}{1} K = 6$$



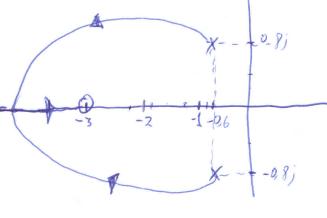
#### LGR2

$$G(S) = \underbrace{S+3}_{S^2+1,2S+1} \qquad P_2 = -0,6+0.8j$$

$$S + 1_{1}28 + 1 \qquad P_{2} = -0,6 + 0.8;$$

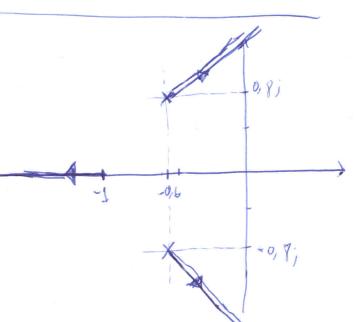
$$S = \frac{-0,6 + 0.6 + 3}{2 - 1} = 1,8 \qquad \overline{Z} = -3$$

$$\theta_{a} = \frac{[2R+1)i7}{2-1} = i7, 17=0$$



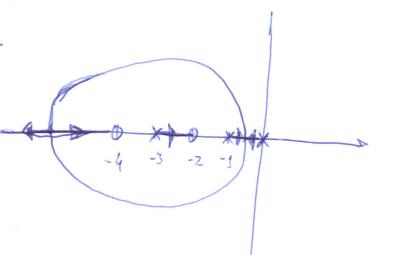
$$\sqrt{a} = \frac{-0.6 - 0.631}{3} = 0.733$$

$$\theta_{a} = \frac{2K+1}{3}T = \begin{cases} T/3 ; K=0 \\ T ; K=1 \\ 5T/3 ; K=2 \end{cases}$$



$$G(S) = \frac{(S+2)(S+4)}{S(S+3)}$$

$$d G_{a} = -J - 3 + 2 + 4 = -2$$
 $3 - 2$ 



### LGR 5

$$G(S) = \frac{(S+2)(S+5)}{(S+4)(S+1)(S+3)}$$



