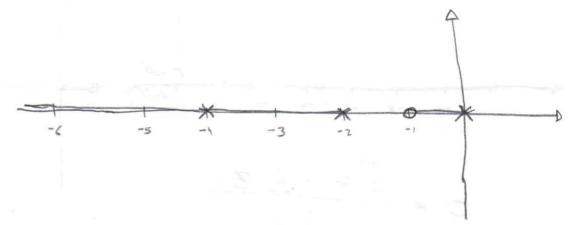
$$6 = \frac{2 - 8 - 7 - 6}{2 - 4 - 4 - (-1)} = 2 - 3$$

$$K = -\frac{5(5+2)(5+4)^2}{(5+1)}$$
  
=  $-\frac{5(5+25)(5+45+45+4^2)}{(5+25)(5+45+45+4^2)}$ 

$$\frac{dR}{ds} = \frac{(45^3 + 305^2 + 645 + 32)(5+1) - 5^4 + 105 + 325^4 35}{(5+1)^2}$$

$$= -\frac{35^4 + 245^4 + 625^2 + 645 + 32}{(5+1)^2}$$



$$\frac{5(5+2)(5+4)^2+k(5+1)}{5(5+2)(5+4)^2}=0$$

$$E^{2} \left\{ \omega^{4} - 3z\omega^{2} + k = 0 \right\} \left\{ k = 0 \right\} \left\{ k = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{3} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{2} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{2} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{2} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{2} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{2} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{2} + (3z + k)\omega^{2} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{2} + (3z + k)\omega^{2} + (3z + k)\omega^{2} = 0 \right\} \left\{ \omega^{2} - 10\omega^{2} + (3z + k)\omega^{2} + (3z + k)\omega$$

26/6/2009 tesis OT K-156K-9216=0 -0 K = 201,69
 K = -95,69 w= + j4,83.

Centroid

CANCENTO

COLE

H brenches

3 carryndpolls

Angle 60°

1 180°

300°

6 z - 3

Quebra -3 < S < -Z

d K = 0

intercepced aixo

imaginaino

P(S) = 0 | S=jw.

\_\_\_\_\_\_

 $D_{(S)} = S(5+2)(S+4)(S+4) + K(S+1)$   $= (S^{2}+2S)(S+4)(S+4) + K(S+1)$   $= (S^{3}+4S^{2}+2S^{2}+8S)(S+4) + K(S+1)$   $= (S^{3}+4S^{3}+2S^{3}+8S^{2}+4S^{3}+16S^{2}+8S^{2}+32S) + K(S+1)$   $= (S^{3}+10S^{3}+32S^{2}+32S) + K(S+1)$  (S+1) (S+1)

 $\frac{d}{ds} = 4 \frac{(45^3 + 305^2 + 645 + 32)(5+1) - (5^4 + 105^3 + 325^2 + 325)}{(5+1)}$   $0 = (45^4 + 305^3 + 645^2 + 325 + 45^3 + 305^2 + 645^4 + 32) - \dots$ 

= (45 + 345 + 965 + 965 + 32) - (54 + 105 + 325 + 325 + 325)  $= 354 + 245^3 + 685^2 + 645 + 32$ 

x, z = 2,599 } arbro.

X2=-14 X3=2m X4=Im axbro -3<5<-Z ... 5z-Z,599. 2-2,6