## Mou, Amortiguedo

MAS.

-> Oscilacion, Libres.

Recordando.

$$f(v) = bv^{\circ}(-\vec{v}), \quad n=2$$

Fix -- Kx

ED.

B=O → MAS.

\$2< w? -> Subamodiquado

Amortisuedo

B3>W32 -> Sobre comertigues

$$V_{1,z} = -\beta \pm \sqrt{\beta^2 - \omega_5^2} \longrightarrow \times (t) = C \left[ A_1 C + A_2 C \right]$$

Frec. Aug.

(craderstice/Notivo)

$$W_2 = \frac{1}{100}$$

$$\beta = \frac{b}{2m}$$

1

Parame tro de

Amortigoamiento.

$$V_{1,2} = -\beta \pm \sqrt{\beta^2 - \omega^2}$$

$$V_{1,2} = -\beta \pm \sqrt{\omega^2 - \beta^2} i = -\beta \pm \omega^2 i$$

$$\omega_1 \rightarrow \mp_{rec.} \text{ Ang.}$$

$$X(t) = 10 \cdot (0)(\omega, t - \delta)$$
.

 $X_{arel}(t)$ 

Diagrame de Fose

 $\mathcal{T}$ , $\mathcal{L}$ .

$$\beta^{2} = \omega^{2} \rightarrow \gamma_{12} = -\beta^{\pm} \sqrt{\beta^{2} \omega^{2}}$$

$$\gamma_{12} = -\beta$$

$$\gamma_{12} = -\beta$$

$$\gamma_{13} = -\beta$$

## Sobreamortiquedo.

$$\beta^{2} > \omega^{2}$$

$$\Rightarrow r_{1,2} = -\beta + \sqrt{\beta^{2} - \omega^{2}}$$

$$\omega_{2}$$