Prigusono titranje X + 25 x + wo x = 0

kojom bi oxilacijom titralo da priguscuja nema

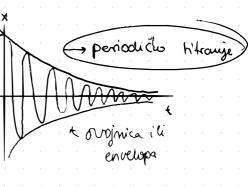
Kriticho priguienic
$$f = \omega_0$$

 $\times (t) = (a_1 + a_2 t) e^{-st}$

Nadkitions priguisarie (> w.

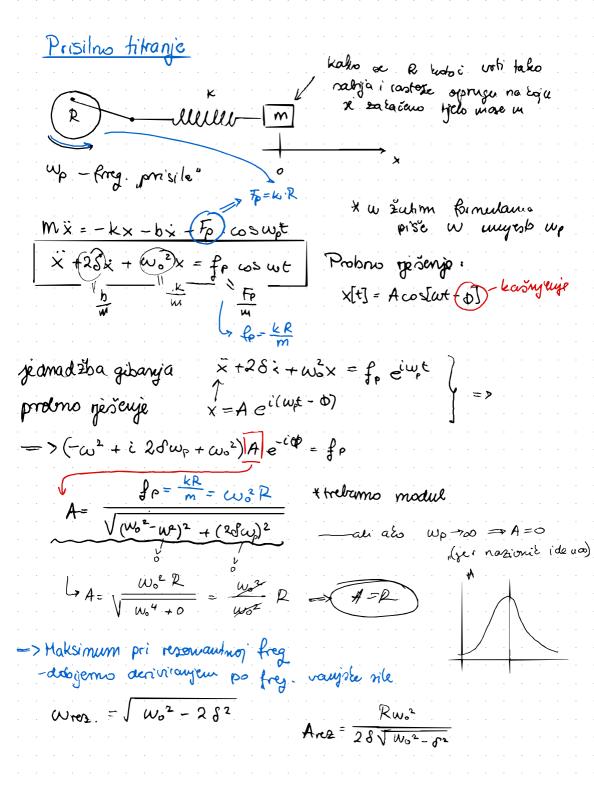
$$g^{2} = f^{2} - w_{0}^{2}$$

 $\times (+) = (a_{1}e^{2t} + a_{2}e^{-2t})e^{-f^{2}}$









Slaganje bitranja na prancu (w 1D)

 $\chi(+) = A_1 \cos[\omega_1 t + \phi_1] + A_2 \cos[\omega_2 t + \phi_2] +$

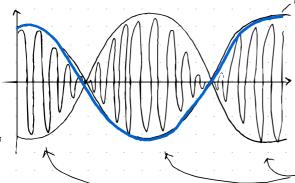
Primpr: A=A2 = A, W12 W2 O1 = O2 - 0

$$\int = \frac{w_1 - w_2}{2} \qquad \overline{\omega} = \frac{w_1 + w_2}{2}$$

$$X[t] = A \cos \left[(\bar{\omega} + \delta) t \right] + A \cos \left[(\bar{\omega} - \delta) t \right]$$

$$= A \cdot Re \left[e^{i(\bar{\omega} + \sigma)t} + e^{i(\bar{\omega} - \sigma)t} \right]$$

Primite: WI=Wz=...=W]



envelopa ide frekvenijour

delta (S)

zar ne bi trobalo e të?

→ freg udara duplo je vééa od f envelope jev je to - svali ovaj brijeg (čujemo frej udara u stran)

$$X[t] = A_0 e^{i(\omega + \phi_1)} + A_2 e^{i(\omega + \phi_2)} + \dots$$

$$X[t] = (A_p e^{i\phi_2} - A_2 e^{i\phi_2}) + \dots) e^{i\omega t}$$
offud t ? jet 2-aborangen,
$$X[t] = (A_p e^{i\phi_2} - A_2 e^{i\phi_2}) + \dots) e^{i\omega t}$$
opet 500 i2luei vauge —