Ocyunsenof chejeun Theunen koop. Janytanes, norap dr. gentemens jagyt., gosponounc

Konesauns e bezauer Themeses

y- noot. jacy kam s wo-coters. racmome

$$x(+) = e^{-\int_{-1}^{1} u(+)}$$

$$\ddot{x}(t) = -\gamma e^{-\gamma t} (\dot{u} - \gamma u) + e^{-\gamma t} (\ddot{u} - \gamma \dot{u}) =$$

$$= e^{-\gamma t} (-\gamma \dot{u} + \gamma^2 u + \ddot{u} - \gamma \dot{u}) = e^{-\gamma t} (\ddot{u} - 2\gamma \dot{u} + \gamma^2 u)$$

$$\omega = \int \omega_0^2 - \gamma^2$$

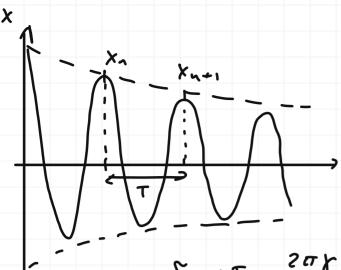
$$\Gamma = \sqrt{\gamma^2 - \omega_0^2}$$

exasor Theme

curios ofrems

ocosmi u-i

$$A(t) = ae^{-t}$$



$$t_{n+1} - t_n = T = \frac{2\pi}{\omega}$$

$$\frac{\chi_{n+1}}{\chi_n} = \frac{A(+_{n+1})}{A(+_n)} = \frac{g(e^{-\gamma(+_n+\tau)})}{g(e^{-\gamma(+_n+\tau)})} = e^{-g\tau}$$

δ = gT = 20 g - noraphpens. genkemens

$$Q = \frac{\omega}{r_g} = \frac{\pi}{\delta}$$
 - gosponus con.

( rueno konesamini go jamy kamer 51)

(yneme borbogume uz w~A2)

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$$Q = 24 \frac{\omega}{\omega}$$