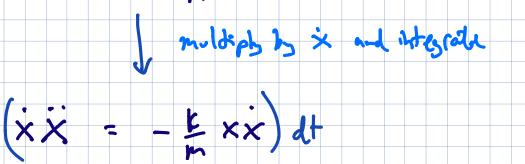
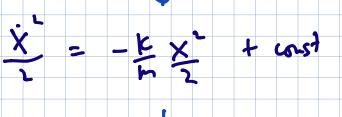
Lecture 13: Oscillatory Motion I

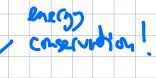
Energy of Oscillation

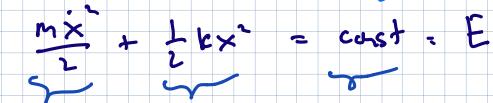
Like all physical systems, asillatus have energy.

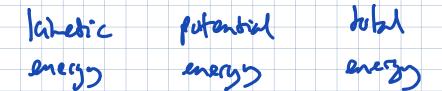


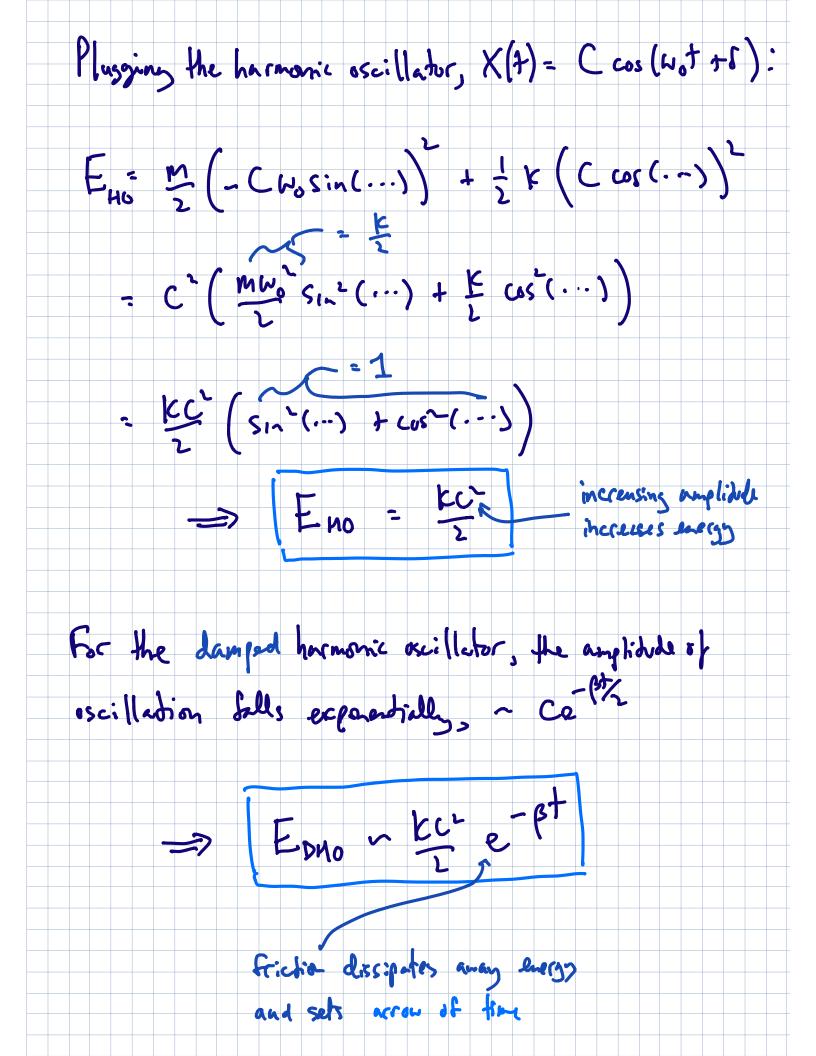


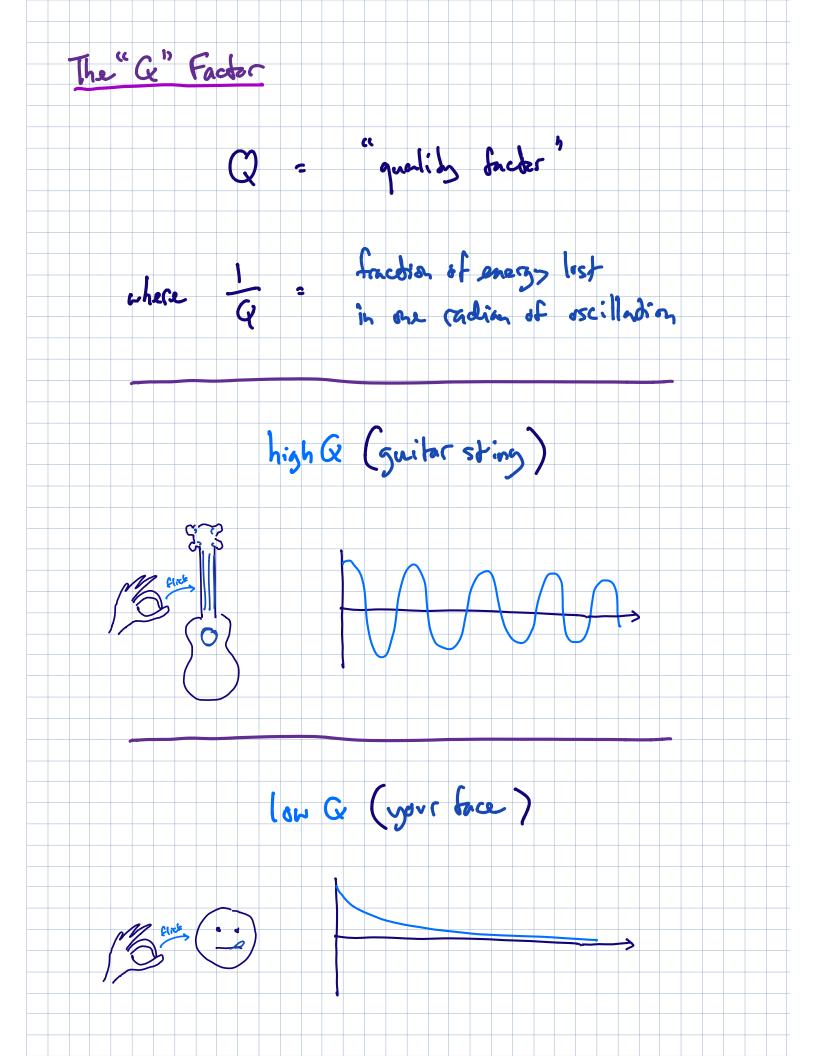


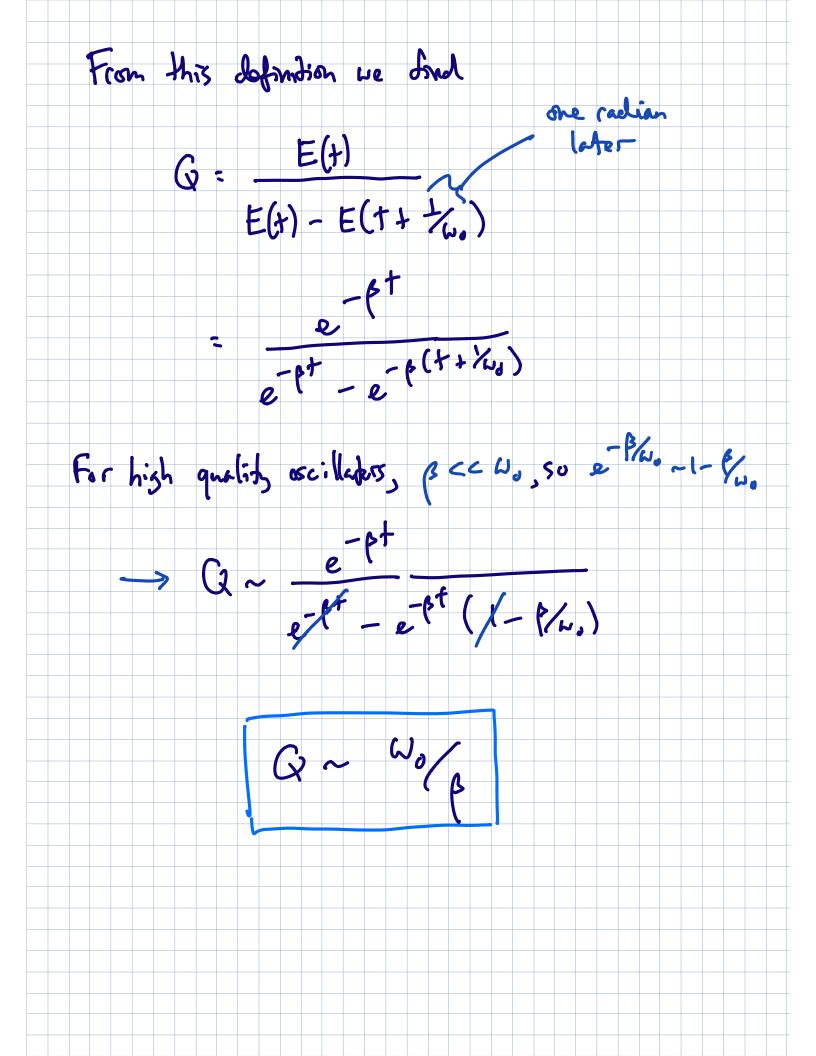


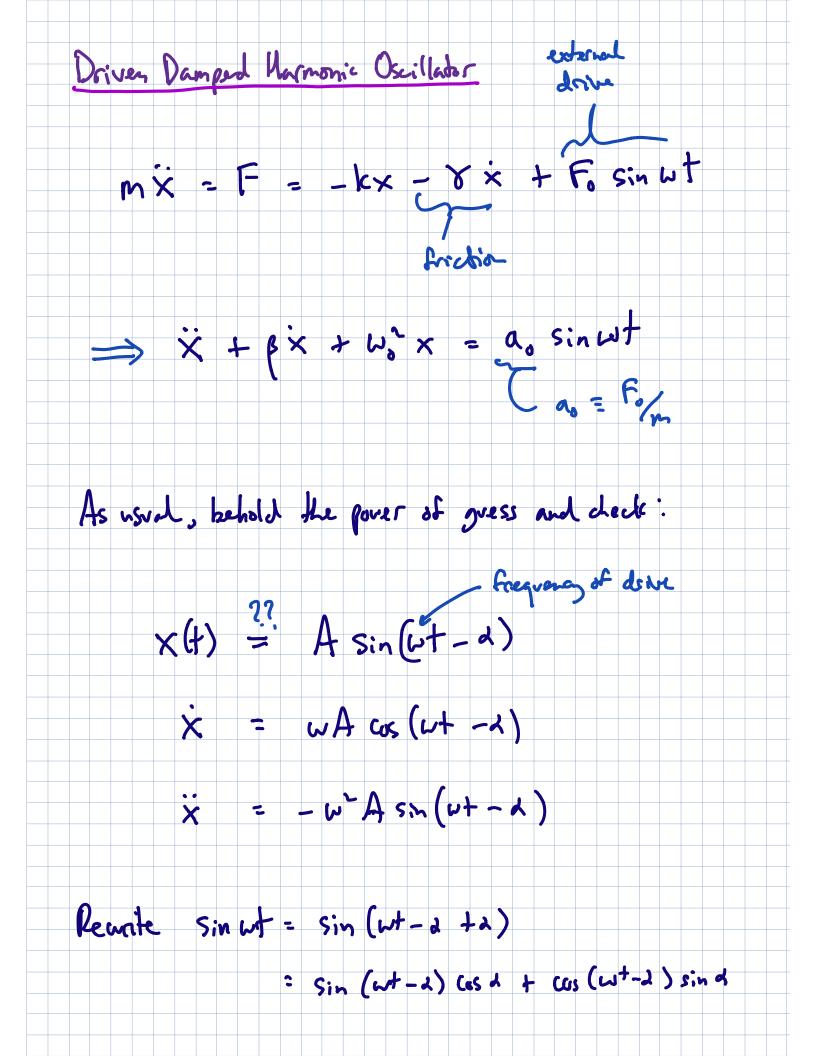


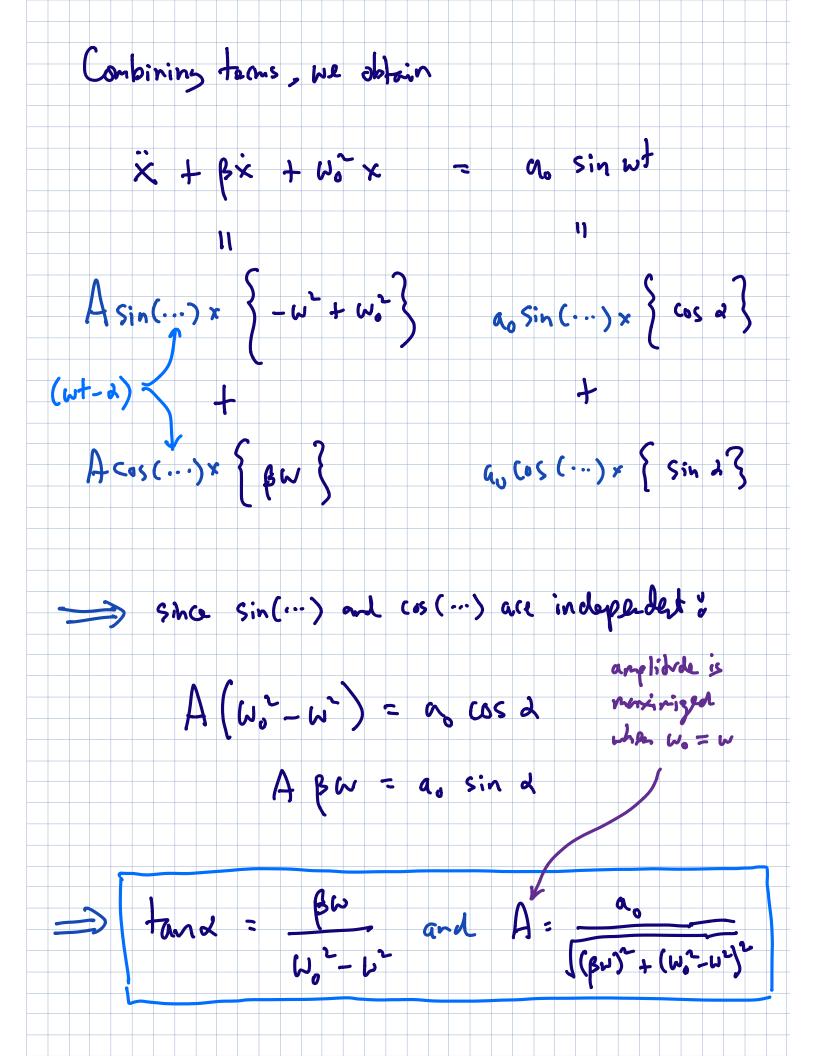


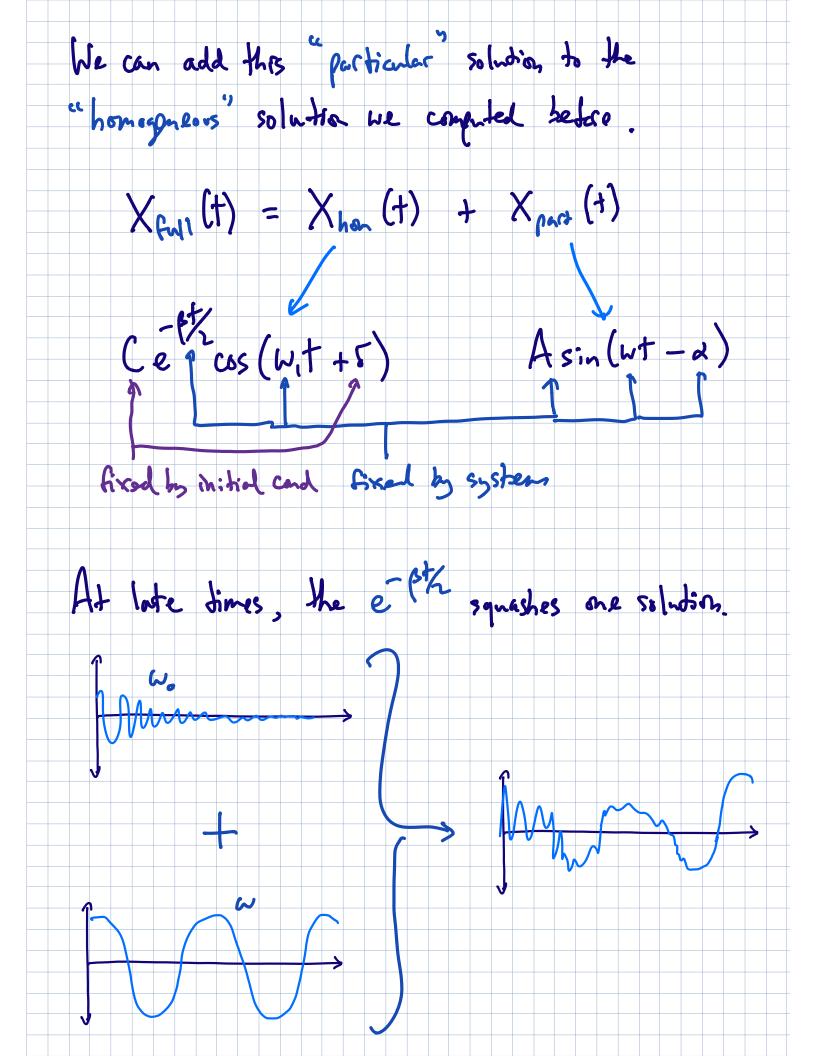




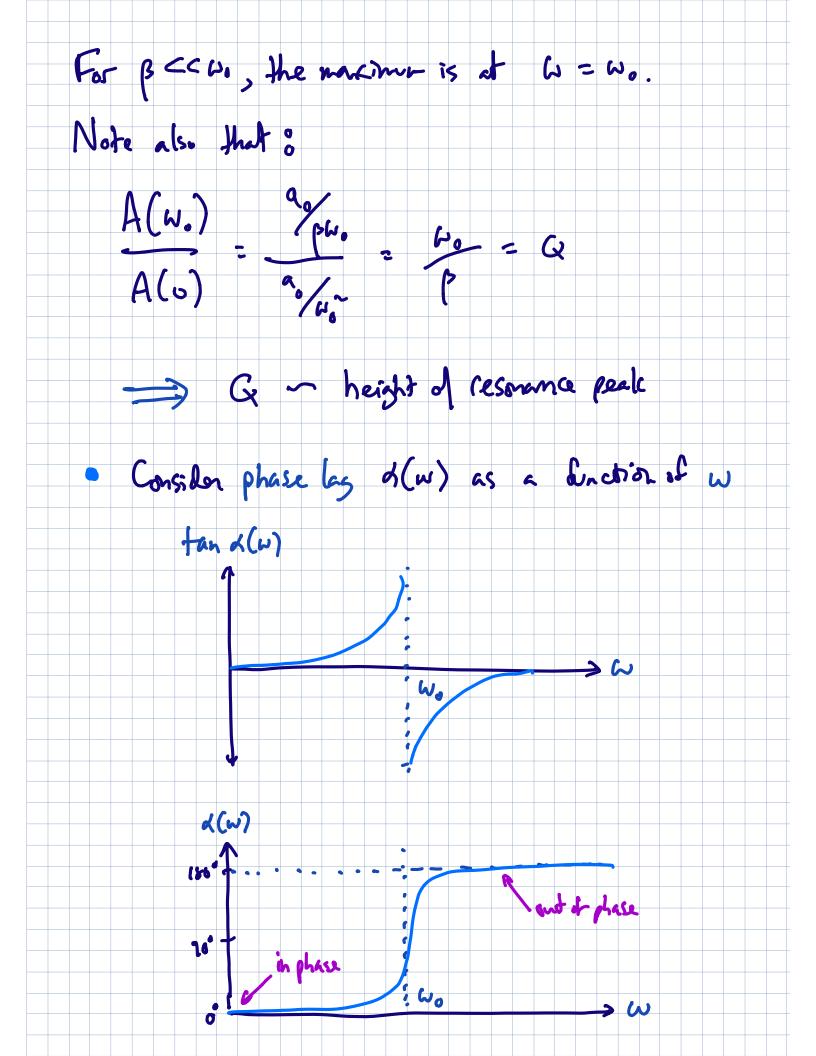








We saw before that the homogeneous solution dies off from damping while the particular solution persiste. $\chi(t) = A \sin(\omega t - d)$ pardscular •٢ "stendy state" Soludion **Q**6 tand = fru Wa 2 - pu A 2 J(pr) + (bo - b)2 · Consider amplitude A(w) as a function of w A(w) 9. **β**ω. ょく all demo: " driven pendulum"



((deno: "shattering whe glass")))

