A Heines E, A

- peiod. Beweg g

- gesollose Kune

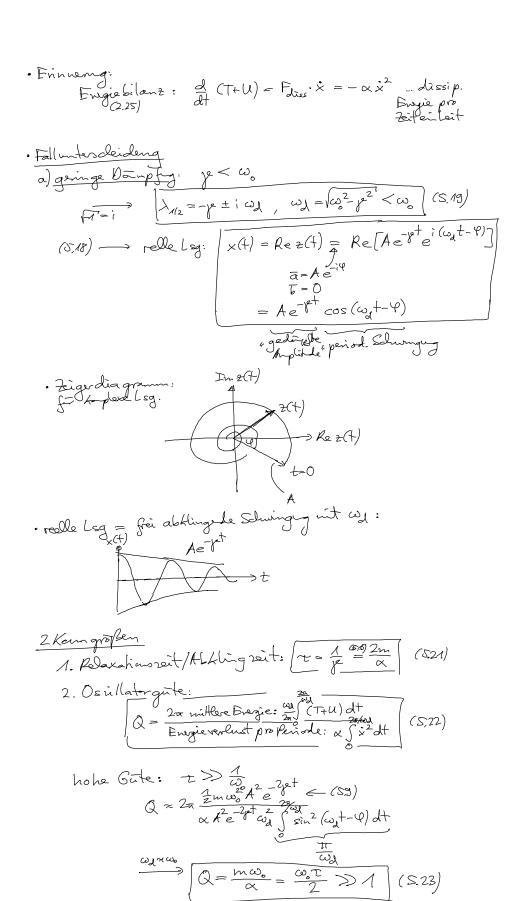
- Un lang zeit:  $t_0 = \frac{2\pi}{\omega_0}$ · Phosenpartiat. . Wirhung einer Bewegug:

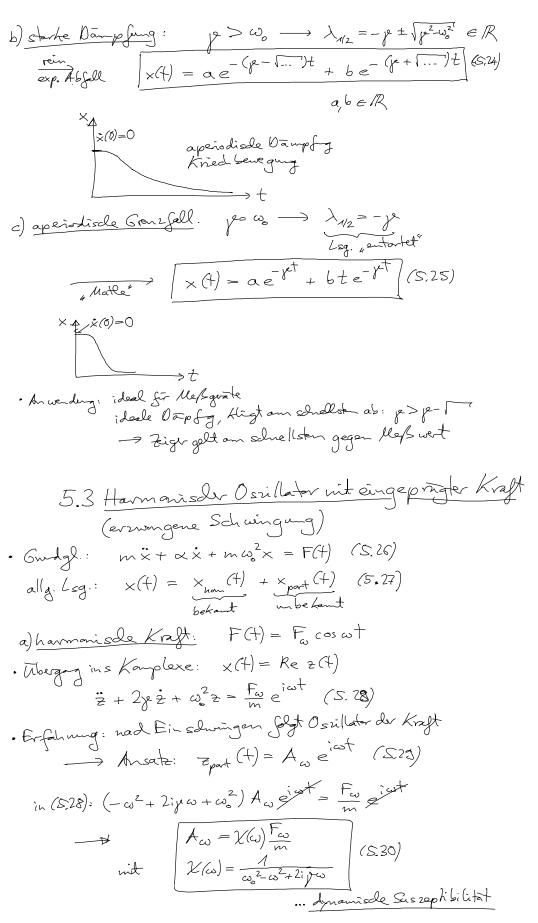
[S:= of p(x) dx = \int p \ti dt] (5.12)

cin einges llere e

cin | Ruse van - ham Osillatar:  $S = \pi m\omega_0 A^2 = 2\pi \frac{E}{\omega_0} = Et_0!$  (5.13)  $E^{\text{Uipse}} = (5.9)$   $E = \frac{m}{2} \omega_0^2 A^2$ - Klassik: S kontinuishid  $OM: S_n = 2\pi t_n (n+\frac{1}{2}), n = 0, 1, \dots 00$   $\frac{E = S/t_0}{(S.13)} E_n = t_n \omega_0 (n+\frac{1}{2})$  (S.14) Planchade Quarter hypothese Bohr: Sy and for e im Alon 5.2 Gedampfler, freierharmonisder Oscillator  $(S.1) \longrightarrow m\ddot{x} + \alpha\dot{x} + \dot{f} \times = 0 \qquad \frac{x = \text{Re}z}{\ddot{f} = m\omega^{2}} (S.1)$   $\ddot{y} = \frac{x}{2m} (S.15)$  S.s.t.

allg. Lsg. z(t) = a e xt + [ e 2t , a 6 e C (S.18)





(i) 
$$\chi(\omega) = \int (\omega, \omega, t)$$

(ii) consider but wat  $A_{10}$  and a face  $100$ / Stray /

(iii)  $\chi(0)$  ... statistic See See suptibility that

(iv) ender loop: Magnetic image  $M = X$  ...  $t$ 

Volumether  $P = X = E$ 

. Unsolve long: First warm,  $A = \frac{1}{2} = \frac{$ 

