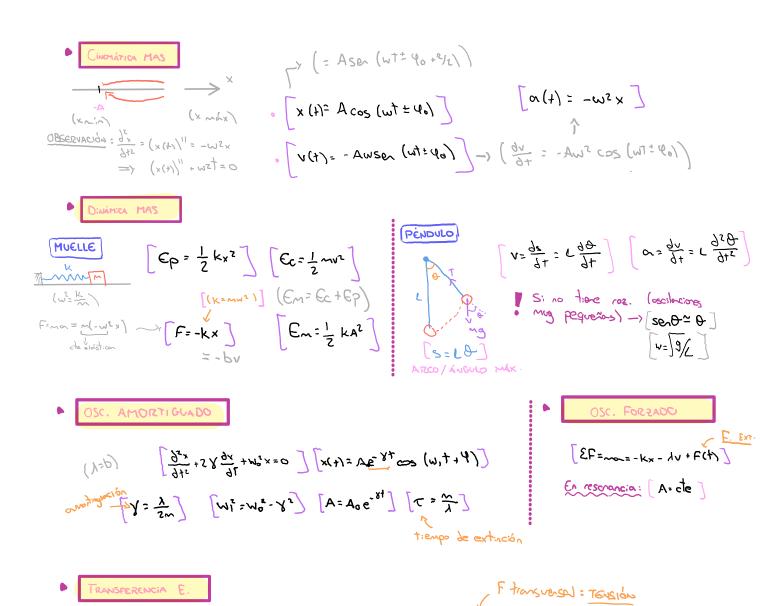
## CINEMATICA (depende del sist. rec.) todas las aceleraciones (suminist. + grav....) [v=cte][x=x0+v+][a=0] $\left[ A = A^0 + O + O + \left[ A = A^0 + A^0 + \frac{5}{4} O + \frac{5}{4} O + \frac{3}{4} \right] \right] = A = \frac{34}{4}$ J= 48/0+ 7 = Dr. 15+ v= gx/9t [ w=cte][ A=Oo+Wot ][ d=0] Vm = 5x/6+ g = 0<sup>0</sup>+04 a = 2 1/61 0W = 71/7+ [w=wo+at][ 0=00+wo++ 2a+2] [ an= v2] W= 2RJ [ V= WR] ( SEE. ) L= 2R, A= M(2, V= \frac{14}{3} m/2) € EQ TEMBOTORIA; Fórmula de la fención (hacer tamos sies recesario) INAMICA [ SE = mai ] [Fr = NH] \ \ \frac{\rhe : v=0}{\rho \sigma \converse \quad deslisar \conv \conv \alpha : \rho \sigma \converse \quad \deslisar \conv \conv \alpha : \rho \sigma \converse \quad \deslisar \conv \conv \alpha : \rho \sigma \converse \quad \deslisar \conv \conv \alpha : \rho \sigma \converse \quad \deslisar \conv \conv \alpha : \rho \sigma \converse \quad \deslisar \conv \converse \alpha : \rho \sigma \converse \quad \deslisar \conv \converse \quad \deslisar \converse \quad \deslisar \quad \desli $F_{1\rightarrow2} = -F_{2\rightarrow1}$ momento lineal: $[P = m\vec{v}]$ $[\vec{F} = \frac{\partial \vec{P}}{\partial T}]$ $[F_{coer}, anostre]$ $[V_{lim} = \frac{2g (Pert - Period) R^{2}}{gh}]$ $[V_{lim} = \frac{g (Mer - Meriod)}{gh}]$ $[V_{lim} = \frac{g (Mer - Meriod)}{gh}]$ $[V_{lim} = \frac{g (Mer - Meriod)}{gh}]$ PARACAIDISTA: [Fr = Kv2] -> F=ma=-mg+Kv2 ENERGIA JW=Fds cost [W=A(ec+Ep)] para F.cons: [W=AE,=-AEP] [P== W] [D=F.V) Ec= 1 mv2 ] grav.: [Ep= mgh] muelle: [Ep= 1 kx2] para Fcons: [Em, = Emz]

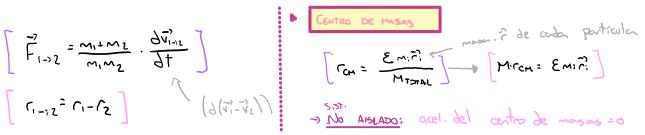
POTENCIAL MOLECULAR [F= dep of ][Ep= -De+De (1-e-x(r-ro))2][Ep=-De(2(ma)6-(ma)2)]

 $\left[h = \frac{C}{L}\right] \left[h = \frac{3x^{2}}{L}\right] \left[E = -Kx = -Pr\right] = \frac{9x^{2}}{L} = \frac{4x^{2}}{L} = \frac{4x^{2}}{L}$ 

JNDAS ARMÓNICAS



## Sistems De Partículas



Variación E con el tiempo - POTENCIA: [P= { NAMO AZ DX )