1章弹簧滑块例题 Am, 如图:与刚度长弹簧相连的漏块A,腰M, 可在光滑水平面上漏动,A滑快每一层量m成为 儿的尊摆 1900年初:2自由度,X,9为广义生标 有: T==mx2+ 1=m2 (x+190xy)+(19siny) 不 契能以 y=0 为转的零点、有 V= = kx2 - mg·losg 信制: L=T-V==m, x2+=m=(X+ly cosp)+(ly sing)] - zkx2 + m29 lasy $\frac{1}{2} \frac{\partial x}{\partial x} = 0,$ $m_1 \dot{x} + m_2 (\ddot{x} + \dot{y} \cos y - \dot{y} \sin y) - kx = 0$ Φ m2 dt (x+lgosg). losg + [sing.g] + mgl sing =0 注意: 先进行代简 mod (x lossy+(2 cos2y y+12in2y y) +tingliny=0

TP: 左,

(x lossy+(3 cos2y y+12in2y y) +tingliny=0)

TP: 左, 即:有: $(m_1 + m_2) + m_2 + m_$

Q x cosy+ lÿ+ysiny=0