64.1. First of all, the work is W = F. Dram = F.d Since the total mass of the (dish +2 small mass) is we can set up in equation for point-pride system $X_{t} - K_{i} = W$ \$ (M+2m) V2 - 0 = F.d $V = \sqrt{\frac{2 \cdot F \cdot d}{M + 2m}}$

(24.2) In the extended system, the work is $W = \overrightarrow{F} \cdot \Delta \overrightarrow{F}_{cm} + \overrightarrow{F} \cdot \Delta \overrightarrow{F}_{stry} dnge$ for translational $= F \cdot d + F \cdot s$. $= F \cdot (d+s)$

then, we need to know both Kyrans and Krot. Thus, we need to know both Kyrans and Krot. Thus,

chine, we can write an equation as follows mis, J= m(L)2 = mil therefore, 义 dish, I= 文MR2 " Mass, I= M(立)22 発 $\Delta E = W^{\prime\prime}$ initial, at rest $H_i = 0$. Ktrans + Krot = F. (d+5) 1 (M+2m) v2+ 1 (1 MR2+2 mL2) W= +. (d+s) Slace V= 1/2.w, 喜(M+2m).L2. w2+ + MR2w2+ + ML2w2= +·(dts) ω² (M+2m). L² + + 4/β² + + mL² = F.(drs) · (d+s) + 5 mL2+ 4 MR2