

Saria Consalves, 98376 2- M=0,3 reρυιπο: ΣF=0 0=37° 9=9,8 m/s ma = 1,0 kg TA = Mmag TB= mgg MANTANT T= TA 1 T= TB SMA TA = 0,3 x 1,0 x 9,8 = 2,94 To = mpg $T = IA = 2.94 \approx 3.68$ $G_{0.37}^{\circ} = G_{0.37}^{\circ}$ Tg = 1 Tx 5°m0 = 3,68 x 5°m37 TB = mbg & 9,8 x mb = 3,68 x 5°m37 (3) mg = 0,2 kg

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$$\overline{F}' = (2y^2 - \mu^2) \hat{\Lambda} + 2ny \hat{\eta}(N)$$

$$W = \int_{0}^{2} (2y^{2} - \mu^{2}) d\mu + \int_{0}^{4} 2\pi y dy$$

$$= \int_{0}^{2} (2(n^{2})^{2} - n^{2}) dn + \int_{0}^{h} 2\sqrt{y} \cdot y \, dy$$

$$= \int_{0}^{2} (2n^{4} - x^{2}) dn + \int_{0}^{4} \partial y^{3/2} dy$$

$$= \begin{bmatrix} 2 u^{5} - u^{3} \end{bmatrix}^{2} + \begin{bmatrix} 2a y^{\frac{5}{2}} \end{bmatrix}^{\frac{5}{2}} \approx 35.8 \, \mu$$

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4- A fonça mão é comsenvativa, ponque o trabalho dependo da trajetória.