MCHIESTE

· Fa = Md Fp= Md m.g cost → Md = Fa [...] = 0.368

(1) DATI

•
$$\sum \vec{F}_{i} = u \vec{a}$$
 $\Delta asse y$
 $\Delta F_{i} = u \vec{a}$
 $\Delta asse x$
 $\Delta asse x$
 $\Delta F_{i} = u \vec{a}$
 $\Delta asse x$
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 $\Delta asse x$
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$$F_{r}'' - U_{d}F_{r}'' = u_{\alpha}$$
 $F_{r}'' - F_{\alpha} = u_{\alpha} \rightarrow f_{\alpha} = f_{p} - u_{\alpha}$
 $F_{\alpha} = u_{0}g_{u}\sigma - u_{\alpha} = u_{0}g_{u}\sigma - u_{\alpha}$
 $F_{\alpha} = u_{0}g_{u}\sigma - u_{\alpha} = u_{0}g_{u}\sigma - u_{\alpha}$
 $F_{\alpha} = u_{0}g_{u}\sigma - u_{\alpha}$

$$u = 5.0g = 5.0 \times 10^{-3} lig$$
 $h = 3.5R$
 $R = 1.2u$
 $\sqrt{0} = 0 u/s$
 $\frac{1}{N} = E_2$
 $E_1 = E_2$
 $E_1 = E_1$
 $\frac{1}{N} = \frac{1}{N} =$

MCHIESTE

(2) DAT

$$E_{1} = E_{P}^{(1)} + E_{R}^{(1)} = ugh$$

$$E_{2} = E_{P}^{(2)} + E_{R}^{(2)} = ug^{2}R + \frac{1}{2}uv_{A}^{2}$$

$$E_{3} = E_{P}^{(2)} + E_{R}^{(2)} = ug^{2}R + \frac{1}{2}uv_{A}^{2}$$

$$\frac{1}{2}uv_{A}^{2} = ugh - ug^{2}R$$

$$\frac{1}{2}v_{A}^{2} = g^{3.5}R - g^{2}R$$

$$\frac{1}{2}v_{A}^{2} = g^{3.5}R - g^{2}R$$

$$E_{1} = E_{2}$$

$$ugh = ug^{2R} + \frac{1}{2}$$

$$\frac{1}{2}u^{4}v^{2} = ugh - \frac{1}{2}$$

$$\frac{1}{2}v^{2} = g^{3.5R} - \frac{1}{2}$$

$$\frac{1}{2}v^{2} = g^{3.5R} - \frac{1}{2}$$

$$\frac{1}{2}v^{2} = g^{3.5R} - \frac{1}{2}$$

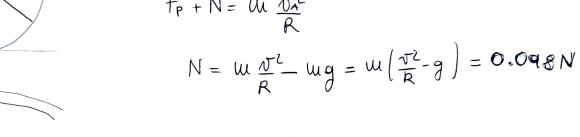
 $\frac{1}{2}\sqrt{A^2} = \frac{3}{2}gR \rightarrow \sqrt{A} = \sqrt{3}gR$

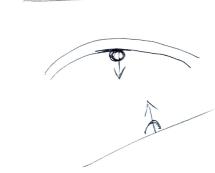
 $\frac{1}{2}\psi_1\nabla_A^2 = \psi_1g\mu - \psi_1g^2R$ $\frac{1}{2}V_{A}^{2} = 93.5R - 92R$ $\frac{1}{2}1.59R$

JA = 5.94 m/s

 $\Sigma \vec{F} = \mu \alpha \rightarrow \vec{F}_P + \vec{N} = \mu \vec{\alpha}_r \quad (\alpha_r = \alpha_c = \frac{1}{R})$ Fp + N = W 152







$$N = \frac{m}{R} - \frac{mg}{R} - \frac{m(R)}{R}$$

F.
$$\Delta t = \Delta p$$
 deviates dell'impulso

MCHIESTE

 $u_{t} = ?$
 $v_{i} = ?$
 $v_{t+1} = ?$

Note any accelerate $v_{t+1} = v_{t+1} = v_{t+1}$

• $(F\Delta t = \Delta p) \rightarrow (Et_1 = \mu v_1 - \mu v_1) \rightarrow (+\mu u u g) t_1 = +\mu v_1 \rightarrow t_1 = \frac{v_1}{\mu u g}$

MCHIESTA Of = ? Vf = ? Vi, 1 = 0 mls Vi, 1 = 20 mls

Vi, 2 = 20 m/s Vi, 2 = 0 m/s

DAT

W1=1800 Mg

112 = 900 llg

SOLUTIONE



 $p_{i} = u_{1}v_{i,1} + u_{2}v_{i,2} = u_{2}v_{i,2}$ $p_{i} = p_{1}v_{2}v_{i,2} = u_{2}v_{i,2}$ $u_{2}v_{i,2} = u_{2}v_{2}v_{2}$ $u_{3}v_{i,2} = u_{3}v_{3}v_{3}$ $u_{4}v_{3}v_{4} = u_{4}v_{3}v_{4}$

 $\sqrt{1} = \frac{u_2}{u_1 + u_2} \sqrt{1} = 6.67 \text{ m/s}$

MCHIESTA

DATT

W 1 = 1200 Mg