$$\overline{T} = \frac{K}{X^3}$$
 - 3 Conservative? \overline{SI}

For Lebinicial.
$$V(x) = -\left(\frac{K}{X^3}\right) dx = \frac{K}{2X^2}$$

$$E = \sqrt{6 + \sqrt{100}} = \frac{\sqrt{2}}{2 \times 3^2}$$

$$t = \sqrt{\frac{x}{z}} \int_{x^2}^{x} \left(\frac{x}{z^{x^2}} - \frac{k}{z^{x^2}} \right)^{1/2} dx$$

$$f = \sqrt{\frac{s}{N}} \sqrt{\frac{s}{N}} \sqrt{\frac{x}{N}} \sqrt{\frac{x$$

$$\times \int_{X_{7}} \frac{\times}{\sqrt{x^{2}-x_{5}^{2}}} dx$$

$$t = \sqrt{\frac{x}{x}} \times \sqrt{x^{2}x^{2}} - 9 \times |t| = \sqrt{\frac{x}{x}} \times \sqrt{\frac{x^{2}}{x^{2}}}$$

$$mg = pgAds$$
 (1)

2) Comb la daplaranos

$$m = mg - pg A(d + x) = mg - pg Ad - pg Ad$$

$$dado = 0$$
(1)

$$M\ddot{x} = -pgAx = -\frac{y/gx}{J} \rightarrow \int \ddot{x} + \frac{g}{J} x = 0$$
1?

Mas!

P4, 2020 ParcialZ

Teniendo la a.

en laterianas.

$$x^{2} + y^{2} = 4f_{0}^{2} - 4f_{0}x + x^{2}$$

$$y^{2} = (7f_{0} - x)^{2}$$

regenue.

$$\hat{r} = \hat{x} = v_x$$
 (1)

$$\Rightarrow) \dot{\chi} = c_{2} + c_$$

Ahor sa biendo opre V:cte.

$$\Delta_{S} = \frac{(1-\cos\theta)_{S}}{(\cos^{2}\theta)_{S}} + \frac{1}{2}$$

$$\dot{x} = \omega_1(0/z) v$$
.

$$\sqrt{k} = \cos(\theta/z)\sqrt{z}$$

$$V_{\infty} = \hat{P} = -\left(\frac{1-\cos\theta}{\sin\theta}\right)\cos(\theta/z)$$