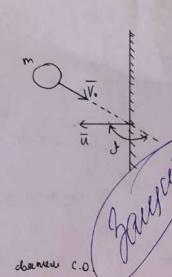


Yr= : 4 = : += :



Першяхог Дитрий ДЗЛ1 Физика. UY5-236 Газага 1-2. Прариант

> векторных диаграшима скоростей при ударе частият о подвит, стенец

Persone:

C glung upit comenios

$$\overline{V}_{0} = \overline{U} + \overline{V}_{0}^{1} \quad (1.29)$$

$$\overline{V}_{K} = \overline{U} + \overline{V}_{K}^{1} \quad (4.50)$$

Coppoegapyers (1.29) (1.30) Na 0'I' a 0'Y'

0'2': Vo cos Lo = - U + Vo' cos Lo! (131)

0'y': Vo sin Lo = Vo' sin Lo' (1.32)

0'2': Vx cos Lx = U + Vx cos Lx (4.35)

0'4': Vx sin Lx = Vx sin Lx (1.34)

Yp-e uzu. uzunyasca npu ygape o cmenay: $h_1Vu = h_1V_0 = \bar{F}_{\Delta}t$, zye \bar{F}_{-} beamop chegneti culti, c kom. cmenka geticm. ku racmuny so specus yzapa f' bex-op cp. culti, c kom. racm. f'

=> mVk' - mVo'= F at (1.36)

Yp-e (1.55), (136) Borpaus. XU: (1.55) omnown, Henogo. (.O., (1.36) onthown. noybum. C.O.

T.K. ygap AYY:

no 30 $\frac{3}{2}$: $\frac{(mV_0')^2}{2} = \frac{(mV_K')^2}{2}$ =3 $V_0' = V_K'$ (1.41)

nogem. (1.41) e (1.40): sinh' = sinho'

L' = Lo' (1.42)

O'h': m/k eosdk + m/o cosdo = Fat (1.32)
O'y': m/k sindk = m/o sindo (1.32)

0'x: mv k cosk + mv. cosk = Fat (1.39)

0'y': m/k' sin L' = m/s' sin L' (1.40)

Year (1.51) He (1.43):
$$\frac{W'}{W'}$$
 Sin L_0 = $\frac{U_0 \sin L_0}{W_0}$ = $\frac{1}{4}$ $\frac{1}{$

$$\Delta \hat{p} = M \Delta \hat{V} \Rightarrow \Delta \hat{V} = \frac{\Delta \hat{p}}{M} = \frac{0.01}{10^{-2}} = 10 \text{ als}$$

The same of the same of	2001 Ayy m= Vo= U=	Dano: l=0,4 11 l=0,4 11 l=1,2 Vom m=4k2 Dano: Haurma: Wo - 422. CKOp. Comemnu Const. Wo - 422. CKOp. Com. B 12 11 D3 J2 To Let To
	}= A+	Peweruu:
	Nan V _K -	4= \frac{1}{2} - l = 1000 = 0, 1 - paguye brang yenny water emerimen omnocum 02
	Le= Pa	Момент инеризии стерити отпосит. Од (По теор. Имейпера):

$$y = y_{c} + mv^{2} ; \quad y_{c} = \int_{-\frac{1}{2}}^{\infty} \frac{m}{t} x^{t} dx - \frac{m}{t} \frac{2^{5}}{3} \Big|_{-\frac{1}{2}}^{\frac{1}{2}} = \frac{ml^{4}}{12}$$

$$y = y_{c} + mv^{2} ; \quad y_{c} = \int_{-\frac{1}{2}}^{\infty} \frac{m}{t} x^{t} dx - \frac{m}{t} \frac{2^{5}}{3} \Big|_{-\frac{1}{2}}^{\frac{1}{2}} = \frac{ml^{4}}{12}$$

$$y = ml^{2} + mv^{2} = \frac{1}{2} + 0.1^{2} \approx 0.09 \text{ m·m}^{2}$$

45-235

$$\Rightarrow y = \frac{ml^2}{12} + mr^2 = \frac{1}{12} + 0.12 \approx 0.09 \text{ kg.m}^2$$

Do coggapenua: novem unimerou pabriara: Lo:mVor

Mocre: 1 = 7W.

10 ICMF: En=En =>
$$\frac{yW_{om}^2}{2} = mg\cdot r$$
, ige Wom- luin. Yneolau ekopoimo emepunu npu kom. npoujoù gem bropoe coygopeniu emepunu e nepipagoù

i.k. Wo =
$$\frac{15 \text{ Vo}}{21 \text{ l}}$$
 h $\text{Ex=Em} = > W_{\text{om}} = \frac{15 \text{ Vom}}{21 \text{ l}}$

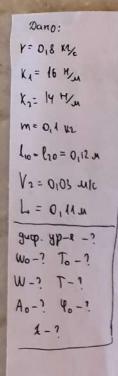
Nosyraem

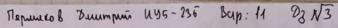
$$\frac{y(\frac{15 \text{ Vom}}{210})^2}{2} = \text{mgr} \Rightarrow \text{Vom} = \sqrt{42.9.7} \approx 6.48 \text{ u/c}$$

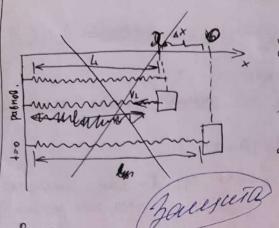
No you: Vo= Von. 1,2 ≈ I,8 m/c

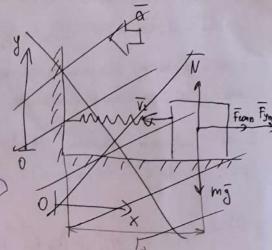
Ha borrows t_1 Ho u ha npurospenerus gon $E_k = \frac{yw_k}{r}$ T.K. Vo > Vom kun. Haprum anapuna chaju hocus ygapa inpanuunas ke mosuko na whooplaw nowers. Herrin nothermen continue of mounts of face continue

Umbam: Vom = 6,42 w/c
Wow = 5,6 w/c
Wr = 3 pag/c

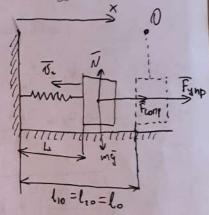








Peu:

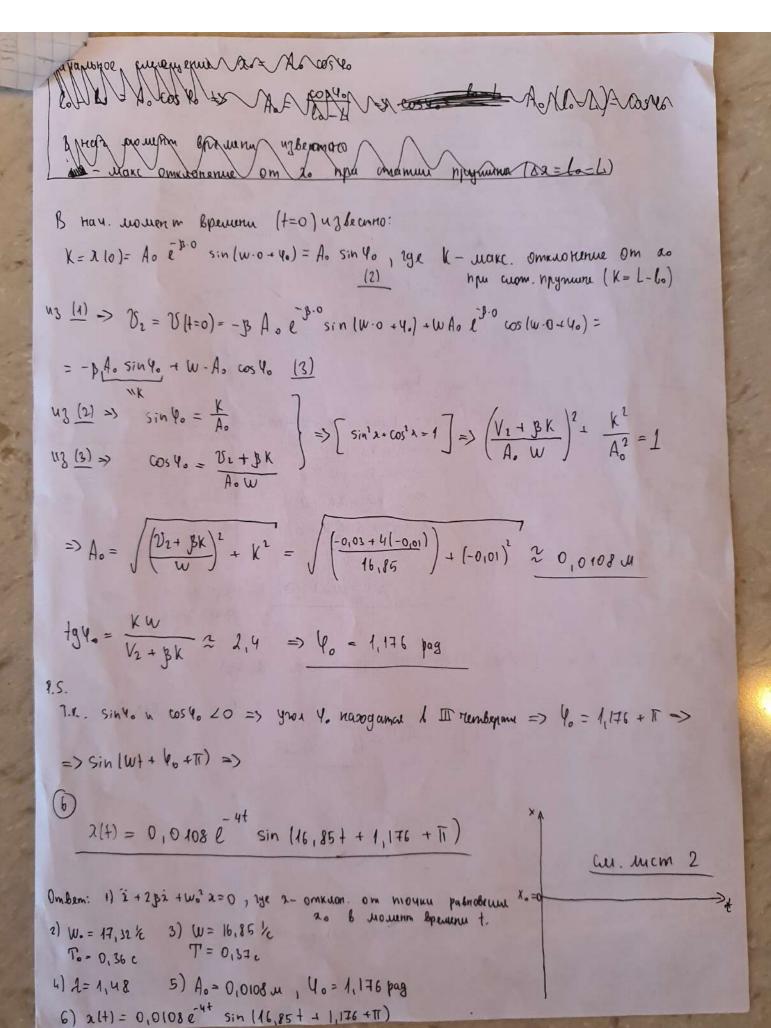


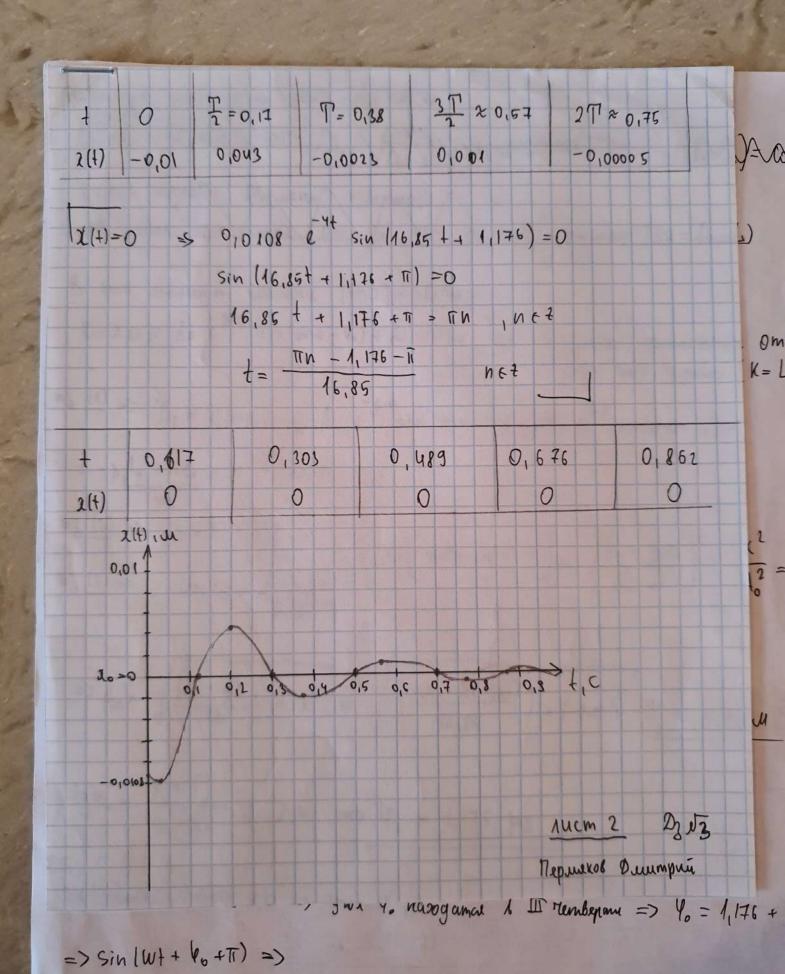
- диср. ур-с машпа своб. запуг. комб.

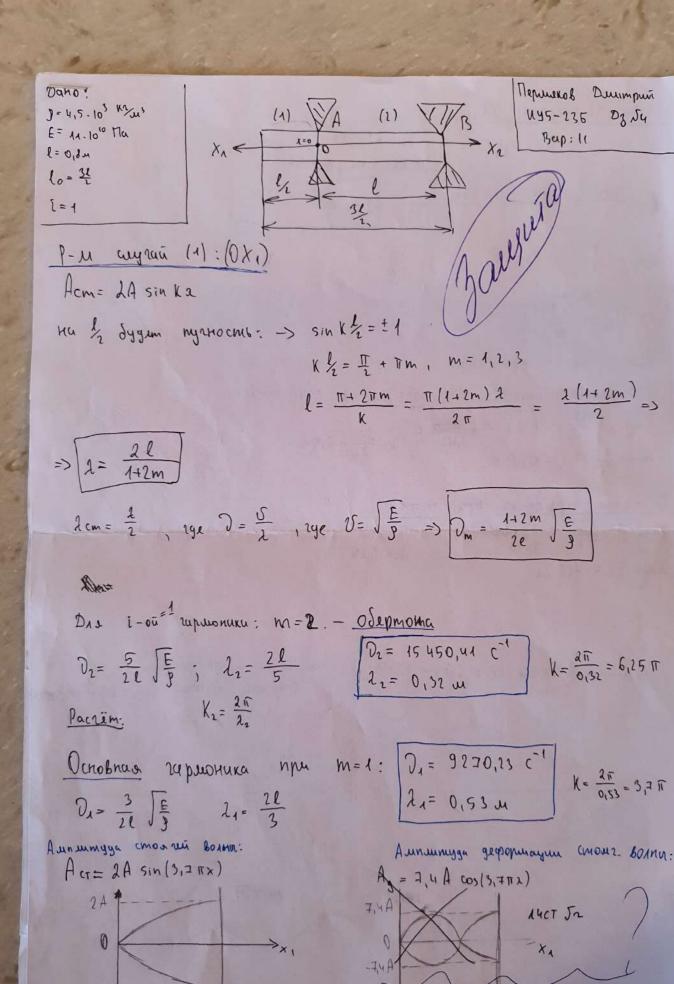
Mangin Wo:

$$W_0^2 = \frac{k}{m}$$
 $W_0 = \sqrt{\frac{30}{0.4}} = 17.32 \%$
 $V_0 = \frac{2\pi}{w_0} = 0.36 \text{ c}$

$$T = \frac{2\pi}{w} = 0.37c$$







P-M 101 augran 022

$$k = \frac{\pi m}{K} = \frac{\pi m \lambda}{2\pi} = \frac{2m}{2} \Rightarrow \lambda = \frac{2k}{m}$$

$$2cm: \frac{2}{2} \rightarrow 0 = \frac{V}{2} \rightarrow V = \sqrt{\frac{E}{P}}$$

$$\lim_{t \to \infty} \frac{2!}{2!} \int_{\overline{y}}^{E} = \lim_{t \to \infty} \frac{1}{5!} \int_{0.180}^{\infty} \frac{1}{5!} \int_{0.180}^{\infty$$

$$O_{m} = \frac{1}{2} \left(\int_{\frac{\pi}{3}}^{\frac{\pi}{3}} = \frac{7910.61}{3090} c^{-1} \right)$$
 $K = 1.25 \text{ T}$

