A.

ТЕТРАДЬ

для Tunoloúpa	rest no gouzuce NS
Bapuant 8	
учени	класса
PKB-266	школы
Jerparcoba	0
70	101101010

2 magne ractuys opep popula c marcantu mum, glume co cop. Vio u vio, crancul nogym. 3 T=104 m=10 20 O- you of his east ught have your m = 2m Igap negrymus (HYY) m = 3m P. uPz - wwwywco! 1 u 2-où zacruysi noche ygapa V5=22 V =0 1. 3CU. V= 12 5,2 m+ 1, m= 0, m D= 30 (x): m, V, = m, V, cos & + m, V, cos (1) (4): 0 = m, V, sin & - mz Vz sin (2) (2): m, V, Sind=m, V, Siny V = m, V, Sin 0 (3) ME-3 (2) b (1): m V = m, V cos & + m cos u m, V, sin & m, 2 sin y : m, Vio = Vi (cos 8 + sin 8 ctgy) V, = Vio

(h) b/3)
$$V_z = \frac{m \cdot \sin \theta}{m_z \sin \theta} \cdot \frac{V_{10}}{\omega s \theta + \sin \theta \cos \theta} = \frac{m_z V_{10} \sin \theta}{m_z (\omega s \theta + \sin \theta \cos \theta)} = \frac{2m \cdot 2V}{\omega s_0^2 \omega + \sin \theta \cos \theta} = \frac{2m \cdot 2V}{\omega s_0^2 \omega + \sin \theta \omega s_0^2} = \frac{2m \cdot 2V}{\omega s_0^2 \omega + \sin \theta \omega s_0^2} = \frac{4m \cdot V}{\omega s_0^2 \omega + \sin \theta \omega} = \frac{4m \cdot V \sin \frac{1}{2} \omega}{\sin (\frac{1}{2} \omega)} = \frac{4m \cdot V \sin \frac{1}{2} \omega}{\sin (\frac{1}{2} \omega)} = \frac{4m \cdot V \sin \frac{1}{2} \omega}{\sin (\frac{1}{2} \omega)} = \frac{4m \cdot V \sin \frac{1}{2} \omega}{\sin (\frac{1}{2} \omega)} = \frac{4m \cdot V \sin \frac{1}{2} \omega}{\sin (\frac{1}{2} \omega)} = \frac{4m \cdot V \sin \frac{1}{2} \omega}{\sin (\frac{1}{2} \omega)} = \frac{4m \cdot V \sin \frac{1}{2} \omega}{\sin (\frac{1}{2} \omega)} = \frac{4m \cdot V \sin \frac{1}{2} \omega}{\sin (\frac{1}{2} \omega)} = \frac{4m \cdot V \sin \frac{1}{2} \omega}{\sin (\frac{1}{2} \omega)} = \frac{4m \cdot V \sin \frac{1}{2} \omega}{\sin (\frac{1}{2} \omega)} = \frac{4m \cdot V \sin \frac{1}{2} \omega}{\sin (\frac{1}{2} \omega)} = \frac{2m \cdot 2V}{2m \cdot 2} = \frac{4m \cdot 2V \cos \frac{1}{2} \cos \frac{1}{2}}{2m \cdot 2} = \frac{2m \cdot 2V}{2m \cdot 2} = \frac{4m \cdot 2V \cos \frac{1}{2}}{2m \cdot 2} = \frac{2m \cdot 2V}{2m \cdot 2} = \frac{4m \cdot 2V \cos \frac{1}{2}}{2m \cdot 2} = \frac{4m \cdot 2V \cos \frac{1}{2}}$$

5. P,=2.10-3 RT. 20 (√3-1) = ≈0,03 E.M. Pz = 3.103 pr. 20 (56-52) 2 = 0,02 pr. s. (4) 4 E = 100 (2. (2.10 =)2 - 2 (20/3-1) - 3 (3/5 - 52))2) =0,1 13* Other: 0,03 cr. 11 0,02 pr.w 0,1 3* 1)0

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l= lu Vom-www. rop crop crepx + & 2 Malor ист - шин. уги. Скор, стеряня с wo - you exop name ygapa 8,=0,18 Um - ware you not now ygapar Vo=0,50m

1) т.к. етержень однородный, то умитр. масс на W -3 paretalium $\frac{1}{5}$, $h = \frac{1}{2} - \frac{1}{5} = \frac{1}{10} = \frac{42}{10}$ 2) Mosseur mengesca nocue ygapa: Vm-?

L = L Wom

3) 7. Wheimpa: $I = \frac{10^2}{12} + 10^2 + 10^2 + 100 = \frac{23}{300} 10^2$

M 30 3 nache ygapa:

$$I W_{om}^2 = Mgh$$
 $2 Mg 4k.300 = \sqrt{240 g} \frac{3}{2} \frac{3}$

8) Vom = 51095 10 10 2 3,49 0 m=0, No= 251095 √10 ≈ 2,87 €1 Vm = arccos (3/4) 2 41,40 Orb.: 2,87c-1; 3,48 =; 41,4°

1

E

m=0,100 (1) m,=0,6m $M = \frac{m_1 m_2}{m_1 + m_2} = \frac{0.3 m^2}{1.1 m} = \frac{3}{11} m$ m = 0,5m - npubeg. marca 2) Onpeg. uz gropinyster y. si K*=10H K=1,4 K* m, (r, +lio) = mz (rz + lio)

T.K. lio>>r, u lzo>>rz => lo=1,61 l=12l => $m_1 l_{10} = m_2 l_{20}$ } = $l_{10} = l_0 \frac{m_2}{m_1 + m_2}$ $l_{20} = l_0 \frac{m_2}{m_1 + m_2}$ l = osu r* = 0,2 0 l20 = lo m. V=0,74 (E) W - ? > D = D = 73 k* K20 - ? M-33-3

4)
$$K_{1} = \frac{Kl_{0}}{l_{10}} = \frac{1.4 \, k^{4} \, 16 \, l^{4} \, (m_{1} + m_{2})}{1.6 \, l^{4} \, m_{1}} = \frac{4.2 \, k^{4}}{5 \, m_{1}}$$
 $k_{2} = \frac{kl_{0}}{l_{20}} = \frac{1.4 \, k^{4} \, 16 \, l^{4} \, (m_{1} + m_{2})}{1.6 \, l^{4} \, m_{1}} = \frac{4.2 \, k^{4}}{6 \, m_{1}}$
 $K_{2} = \frac{kl_{0}}{l_{20}} = \frac{1.4 \, k^{4} \, 16 \, l^{4} \, (m_{1} + m_{2})}{1.6 \, l^{4} \, l^{4}$

(1) 1) $w_0 = \sqrt{\frac{k}{m_i}} = \sqrt{\frac{1.4k^*}{0.6m}} = \sqrt{\frac{14k^*}{6m}}$ $\beta = \frac{r}{2m_1} = \frac{1.6 \, r^*}{1.2m} = \frac{16 \, r^*}{12m} = \frac{4r^*}{3m}$ W-102-B2 - 71k* -161+21
9 m2 = \ \ \frac{21k*m - 16n*2" 2) $T = \frac{2\pi}{\omega} = 2\pi \sqrt{\frac{9m^2}{21k^*m - 16r^*2}}$ 3) $W = \sqrt{\frac{21.10 \pm 0.107 - 16(9.2 + 5)^{2}}{9.(0,100)^{2}}} \approx 15,04 c^{-1}$ T=2TV 21.10 #. 0,105-16(0,24)2 × 0,42 c 4) 23. HENOTOMA: ma = FTp + Fynp (x)-ma=rv-kal me+re-k(2-6)=0 |:n } 2B= = 1 , W2 = 1 l+= l-= (l-lo) =0 8 + 2 38 - Wo (2-20) =0 -ур-езатух комваний вертис празника 128 + 2,438 + 0,4 20 = =0 976: W=15,04 c1, T=0,42c

N4-2 грастержия диной в рис. 36 - Chiberupopunguy gud bozhoxHux ractor mogarines boun, bossyx goeninc & crepxue, type rotopsix & men as pazyetes crossas bama - yrazarb rakas eurora raseoanni sts. - on pegeners eactory a genery bound i-où equipment - all Frais republish Hapucobarts book TEDXHA KORECT LEWING TO KOPTIMINY: a) crossed baluer aunung chelyening; 5) crossel boewer aununy g gegro purgen reares home appar munatione laryus shirey sugression some soften. D=85.10 15 1. E = A cos(Wt - kx+4) 2. E = A cos(W++kx+4) E=12.10" Ma Torga crusicas goma uneerbug: l=1m E= A cos (W++4,) cos (Kx+42) i = 2Hararan Kremmun: A=42; ieN Wo - 3 D; -? A; -?

2=√= - ccop pacrp. house & thepg. bey-be 1) $\sqrt{2} = \sqrt{2} = \sqrt{2}$ 2) Do=1 VE - Ochebras zacrota

npu i>1 zacrots oth. K aceptoneau 3) racrota nou i=2 Vi=2= 2 \\ ; of = 46 = 26 V:= 2 2/m V 8,5.103 pc 21878,676 - 20 - 20 crora gls 2.46 rapud www. 32=2=2.1m=2m-gmax bound 2019 2-0 raponemen 07ber. Vo=839,34c⁻¹; V_{i=2}=1878,67c⁻¹; R_{i=2}=2m courant boung a gropenayun squed earcor aurunyga Chilyenthe