## BUNET N 11

1147-235

1. Theprus rapuonureune novesamui.

MACAOBA

Tyme rapuonurecnue novedanus cobepusorae no zanony:

MAPHHA AMUTPHEBHA

$$x = A \sin(\omega_0 t + \varphi_0)$$

PK N1

Torga:

$$\sigma = \dot{x} = A w_0 \cos(w_0 t + \psi_0) \qquad (2)$$

U nuner ure chas sue pour Tera, colepurarousero rapus nure come novelanne:

$$E_{\kappa} = \frac{m \, \sigma^2}{2} \tag{3}$$

$$E_{\kappa^2} = \frac{m A^2 w_o^2}{2} \cos^2(w_o t + \varphi_o) \quad (4)$$

(1)

Novembrane mepone rera nompre colspinaet rapisonirecome consideranie:

$$E_{p} = \frac{k x^{2}}{2} \tag{5}$$

Rogeralual (8) b (6), nougraem:

$$E_{p} = \frac{m A^{2} w o^{2}}{2} sin^{2} (w_{o} t + \psi_{o}) \qquad (9)$$

Nounaire mexaminencia mepure rapusommenus noiesamini

$$E = E_{\nu} + E_{\rho} \tag{10}$$

## ENNET N 11

ИУ7-23Б

1. (npogoimenue)

МАСЛОВА МАРИНА

Populare (4) 4 (9) b (10), noupraeus populary nomori meranurcusori repun rapuonurecuux novedamus;

A MUTPHEBHA PK N1

$$E = \frac{m A^2 w_0^1}{2} \cos^2(w_0 t + \varphi_0) + \frac{m A^2 w_0^2}{2} \sin^2(w_0 t + \varphi_0)$$
 (11)

$$E = \frac{m A^2 w^2}{2} \left( \omega s^2 \left( w_0 t + \varphi_0 \right) + \sin^2 \left( w_0 t + \varphi_0 \right) \right) \tag{12}$$

$$E = \frac{mA^2wo^2}{2}$$
 (13)

При этом помал этерия совпарает с максимаминиц значениеми минетический и по тенциальной этерии.

$$E = E_{\text{KMAX}} = E_{\text{PMAX}} = \frac{mA^2 w_0^2}{2}$$

Maranamore promenue nuneturement meprun governaetae hom nox omgenum repez nonmenue polnobenu, nou rom novemmentamonae oneprun polno o

Harmanne zamenne horenquaminoù mepan formaera, norfa orniverne or how menne palmolener nancumanono, non som munet urenane Inepruse palma O.

No nomas mexamireman Inepue rapinomiremus horesamui octoes ae hocosumos.

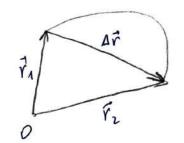
## BUNET N11

2. Dance onpegenenne benopa repeneyenne marepuamenon vorne Ynamuse lynnish uzuepenne soon benirum b M. ИУ7-236 Маслова Марина Дмитриевна РК N1

Benoupour repetitemente marepuarismon somme mazonlacine nampablement orpezou repanoit, coequinarouguit harannyo sorry spaentopun c nonermon.

$$\vec{S} = \Delta \vec{r} = \vec{r}_2 - \vec{r}_1$$

Mogueur benropa repenseyenne nez quiny benropa repenseyenne.

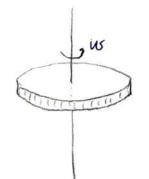


Egunnyen upvepenne gamon hemrum I CM Alvera mesp (m)

3. Maxoline l'opopue guma, moment uneggine horonors palen 72 nr. 112, l'panjaire cymobori chopocropo palnori 36 pag/c. Nog geri colinem cum sperim maxoline ocranabilibalia repez 28 c. Martin moment cum sopmemul.

Dano: I = 72 m. 12<sup>2</sup> W = 36 Pag E = 28c Havin:

M-?



Peneme:

Omobne ypabneme gunammu bpayarenshoro gbunema:

 $M = I \cdot \epsilon$  (1)

Ju maxolum octanal unhacia rog gentabuen nocroannoù uno, puoloe yeno penne nocroanno: 5 mes N 11

NY7-235

3 ( npo gomenne)

Гонра ур-е ди утовой споросоги можно записан так:

MACHOBA MAPNHA DMUTPHEBHA PKN1

Wn 2 W- Et

Tin nonernae ymolae mopoin palm nyno;

 $W - \varepsilon t = 0$  (1)

uz (3):

E = 14)

Popular (4) (1), nourrain:

M=I#

M=72m. 12. 36 Cog = 93 H.M

Ombem: M = 93 H M