30gara D-30.5

Peucenue

$$T = T_1 + T_2$$
 $T_1 = \frac{5w^2}{2} + \frac{mV_A^2}{2} = \frac{3}{4} \frac{mV_B^2}{2} (\text{nuocroe})$
 $T_2 = \frac{mV_B}{2} (\text{noesynateletroe} \text{gbusneuve})$

Harigare V_B u V_A

Cocrabus kunemasureckui upoqo O q A

SAY = Vox - q · a sin q

SAY = Vox + cp · a cos cp => VA = cp² q²

Cocrabus kunemasureckui upoqo AB A B

SBX = VAX - W12 R sin 2

SBY = SAY + W12 R/cos p => W12 = GAX

SBY = JAY

T=
$$\frac{1}{4}m_1 \frac{q^2 a^2}{2} + \frac{m_2 \dot{\varphi}^2 \partial \cos^2 \varphi}{2} = \frac{\dot{\varphi}^2}{2} \left(C_1 + C_2 \cos^2 \varphi \right)$$

30. MUNICUL SPABHERUR JORDANING 2-500 pogga
$$\frac{d}{dT} \left(\frac{\partial T}{\partial \dot{\varphi}} \right) - \frac{\partial T}{\partial \varphi} = Q \qquad \frac{\partial T}{\partial \dot{\varphi}} = \dot{\varphi} \left(C_1 + C_2 \cos^2 \varphi \right)$$

$$\frac{\partial T}{\partial \varphi} = \frac{\dot{\varphi}^2}{2} \left(C_2 \sin^2 \varphi \right)$$

$$\frac{\partial T}{\partial \varphi} = \dot{\varphi}^2 \left(C_3 \sin^2 \varphi \right)$$

$$\frac{\partial T}{\partial \varphi} = \dot{\varphi} \left(C_4 + C_6 \cos^2 \varphi \right) + \dot{\varphi}^2 C_4 \sin^2 \varphi$$

Q= 1/ (-m29 Joy-m,9 Jay + Mu/z)

Custer aspaygra courobse nove Mik euro onpegauseras Padora na repervenue M. M. and F. nowovernoù rees 8 roure M. M. and formera describer (1)

Alu, les) = Joh = J. (Frdx + Fydy + Fzdz) (1) 30 government no centobor rale 30 government of Fx = 4, (x, y, 2) 1y= & (K, 9,2) Fz = 9 (x, 9,2) Buset N5

Еам Оказиелен , что виражение слоящее в фармуль Agensul de pappeluai x y, 2, glapapepenguai korapai подтв поченующью синовини помови , а семен , дейся вусочий дифараринзиалам неколорой фуми ИКХУг) ТО веяв (1) rog zrakou uerezpoud u pogesal user 1810 ealer Forthun dA = dU (x, y,2) www Fidx + Fidy + Fidz = dul(x,y,2) Cauchoe rove que esta estaporo caucoboes as-yens -FOUN rose - roperguarbethuse euros use. dfx = dfy dfz = dfz df dfz = dfx dfz = dfx

mobbe more abu. rosenquambubul.

Motengeaustran Energy U.T. & gantou raconemus M hogisbaras cramphan belle ruma 17, poblicas tou pasate, ratopyo ponglegyi culli roma npu repemengement tour or no no nepemengement or no no no nepement semme tour or no no nepement M & my sebole

11 = A (MO)