Eva euxpris a note leiter a dio qua abapi, etepea pablo pinous l'eco eva aupo ens onoias eiva erepembien qua pia m, nan proper va unveicar es opoio propo baputino resio q.

To allo entre o ecopifis ens pablou Seu eivar audionto alla nivertar natario propa pe anopia representa y (t) trou eivar eurapenen tou provon! (a) Na bosede o hapvangian var o es ficciones nivers xar (b) seifer o en esticary nivers eivar i sua pe aven evos exceptions trou esparatar ano audionto entre o, ha es q iso pe q (t). Ti ei un co pett

H Lagrangian Sivetas and :

$$l = T - V = \frac{1}{9}m(x_m + y_m) - mgy_m$$

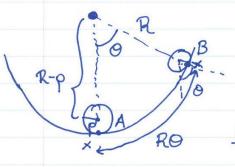
onov
$$\chi_m(t) = l \sin \theta(t)$$
 $\begin{cases} x_m = l \cos \theta \\ y_m(t) = y(t) - l \cos \theta(t) \end{cases}$ $\begin{cases} x_m = l \cos \theta \\ y_m = y + l \sin \theta \end{cases}$

$$\Rightarrow l = \frac{1}{2}m(l^2\dot{\theta}^2 + \dot{y}^2 + 2l\dot{y}\dot{\theta}\sin\theta) - mgy + mgl\cos\theta$$

Enopieurs époule tria generation ouvre caption 0 jeu va avante confre x y m ca onoia ou Diovantien con Section (times ens pabou)

No entremode eniens och n y(t) (n nimer tou cerpiphatos ou europetois) Sev time avefapenty fretablister adoù eina n grustir surapenty cou xporor wingen tou cerpiffutos Enofrierus n from esicuem vingens eina us npos O

$$\Rightarrow$$
 $\overset{\circ}{\circ}$ + $\frac{8eR}{l}$ SINO = 0 onor $\frac{1}{8}$ = $\frac{1}{8}$



I paipa axeivas p Kulà 62 kulusprun emparera axeivas R, pupis ve pluspà. Na Bpedoùr or efrecises kinners.

Or Siction: n chaipa misà con esmespirio ens empareras onote r = (R-9) 1° Seghis Kiden xwpis odiedney 2° Sections

Av Dempisorhe éva enheia X zns exaipas to onoio exantetar le tru un Inspirer emparera 600 entreio A zore da Boienetar un màile GE Enady LE EN Enigarea 600 enpero B

Hanostasy stor n staipa égu urliscu s'un co coso AB=RO Allà y ano scasos aven sivar iso fil en Tepidipera ens sodaipas aboù to Experio X Exer viere pris 17 1942 meprespoods Onore Da éxoupe

RO = 200

Η χωνία που έχει περιετραφεί z εφαίρα νατά το διάσειμα αυτό 211-0 = 0

Γενινά αν η απόδεαδη κύθιδης είναι κάποιο τρίπρα 5 της περιφέρειας 2πρ

1.x. (RO = 2115p), rôce n opaipa ixen prepierpapei marie lua juvia $2\pi S - \Theta = \phi \Rightarrow \phi + \Theta = 2\pi S$

Ano as 2 relevanier existes exorps: RO = 2n (+0)p (A)

Il exércio aven a notelei éva Sechió nou succeife an juria O pre en juria o stepistopodis ens sobaipan jupo ano co nevepo ens.

Δια Γεχουμε en χωία Θ εα en σενινενμένη εννεταγμένη χα να Γισουμε το πρόβλημα. Από την $(A) \Rightarrow φ = \frac{(R-p)Θ}{p}$

H may causi every was do eivas:
$$T = \frac{1}{2}m(x^2 + x^2\theta^2) + \frac{1}{2}I\dot{\theta}^2$$
 (whise)

 $\Rightarrow T = \frac{1}{2}m(R-p)^2\dot{\theta}^2 + \frac{1}{2}I\dot{\theta}^2$

Andors a majorini every was too iniversor fields the chair part was a survey was a survey was a survey every was a flower too before $\dot{\theta}$.

Andors a majorini every was too iniversor fields the chair and survey was a survey of the contract $T = \frac{1}{9}m(R-p)^2\dot{\theta}^2 + \frac{1}{2}I\frac{(R-p)\dot{\theta}}{p^2}$ ($I_{ch} = \frac{2}{5}mp^2$) or othe $T = \frac{1}{9}m(R-p)^2\dot{\theta}^2 + \frac{1}{2}I\frac{g}{5}mp^2\frac{g}{p^2}$ ($I_{ch} = \frac{2}{5}mp^2$) or othe $I_{ch} = \frac{1}{9}m(R-p)^2\dot{\theta}^2 + \frac{1}{2}I\frac{g}{5}mp^2\frac{g}{p^2}$ ($I_{ch} = \frac{2}{5}mp^2$) or othe $I_{ch} = \frac{1}{9}m(R-p)^2\dot{\theta}^2 + \frac{1}{2}I\frac{g}{5}mp^2\frac{g}{p^2}$ ($I_{ch} = \frac{1}{9}m(R-p)^2\ddot{\theta}^2 + \frac{1}{2}I\frac{g}{5}mp^2\frac{g}{p^2}$) ($I_{ch} = \frac{1}{9}m(R-p)^2\dot{\theta}^2 + \frac{1}{2}I\frac{g}{5}mp^2\frac{g}{p^2}$) ($I_{ch} = \frac{1}{2}I\frac{g}{5}m(R-p)^2\dot{\theta}^2 + \frac{1}{2}I\frac{g}{5}mp^2\frac{g}{p^2}$) ($I_{ch} = \frac{1}{2}I\frac{g}{5}m(R-p)^2\dot{\theta}^2 + \frac{1}{2}I\frac{g}{5}mp^2\frac{g}{p^2}$) $I_{ch} = \frac{1}{2}I\frac{g}{5}mp^2\frac{g}{p^2}$ ($I_{ch} = \frac{1}{2}I\frac{g}{5}mp^2\frac{g}{p^2}$) $I_{ch} = \frac{1}{2}I\frac{g}{5}mp^2\frac{g}{p^2}$ $I_{ch} = \frac{1}{2}I\frac{g}{5}mp^2\frac{g}{p^2}$ $I_{ch} = \frac{1}{2}I\frac{g}{p^2}$ I_{c