(DATE 22 / 9 / 6 (= 物理预客解析 . 0 :. D :. 235-4n= 207 V 204~206 x 0 2. BC RES to &. T. - mg- m T2 = ma. Ti = mg + Tz + my 18: T2-mg-T3-ma,= maz 72 = 4mv2 + mv2 + ng+73 (2 3: T3-mg-mas = ma; Ts = mu" + mV2 + mg + mV2 + mg a; = 12 a2 + a, = Iv2 (=> T2 > 2ng+ 1/mv2 (*沧谷串并联: Q1 = Q2 并联: C'=C+2C=3C $\frac{U_1}{U_2} = \frac{C_2}{C_1} \quad \therefore \quad Q_1 = \frac{C_2 C_1}{c_1 + C_2}$ C' : C2C1 = 6 5. I = nesv $n = \frac{8.9 \times 10^6}{64 \times N_A}$ $U_1 = U_2$ $\therefore Q = (C_1 + C_2)$ => U= 0.1mm/s B Bi= Ciu ⇒ C'= Ci+C 6. { mg= Fn+cv2 Fn=ng-cv2 F=bv2+mFn bv2+my-mcv2=F (b-mc)v2=F-mng => v= | FMng | FN = Mg - F-Mng · C = bng - cF. b-Mc (

 $T = -\frac{T_0}{3V_0^2} (V - 2V_0)^2 + \frac{4}{3}T_0$ $\frac{PV}{R} = -\frac{T_0 (V^2 - 4V_0V + 4V_0^2)}{3V_0^2} + \frac{4}{3}T_0 = -\frac{T_0}{3V_0^2} V^2 + \frac{4T_0}{3V_0} V$ $P = -\frac{T_0R}{3V_0^2} V + \frac{4RT_0}{3V_0} V + \frac{4RT_0}{3V_0} V + \frac{4R}{3V_0} V + \frac{4R$

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9.
$$me \, \underline{w}^2 \, re = \frac{G \, k \, e^2}{(re+r_p)^2}$$
 $mp \, \underline{w}^2 \, r_p = \frac{k \, e^2}{(re+r_p)^2}$
 $mp \, \underline{w}^2 \, r_p = \frac{k \, e^2}{(re+r_p)^2}$

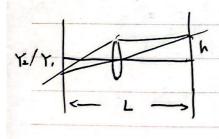
$$= \frac{\text{memp}_{\text{me+mp}} \ln^2 = n t}{\text{me+mp}_{\text{me+mp}}}$$

$$= \frac{-k^2 e^4 (\text{memp}_{\text{me}})}{2n^2 t^2 (\text{me+mp}_{\text{me}})}$$

$$\Rightarrow R^* = \frac{h^2h^2}{ke^2} \cdot \frac{Me + mp}{memp}$$

Rydberg 学量.

E = (12-12). R



$$\left(\frac{\Gamma}{\Gamma+\lambda'}\right)_{-1}+\left(\frac{\lambda+\lambda'}{\Gamma}\right)_{-1}=\frac{1}{\lambda}$$

$$\begin{cases} \frac{P\Gamma}{P+R} + \frac{R}{P+R} = \frac{4}{7} \\ \frac{P\Gamma}{P+R} + \frac{R}{P+R} = \frac{4}{7} \end{cases}$$

$$\Rightarrow = \frac{(\sqrt{\lambda'} + L^2)_3}{(L^2 \lambda^2)}$$

$$e^{2} - 2Re + Y^{2} = 0$$
 $e = \frac{Y^{2}}{2}$

(1)
$$\Delta e = e_1 - e_2 = \frac{\gamma^2}{2R_1} - \frac{\gamma^2}{2R_2}$$

$$(\frac{1}{R_1} - \frac{1}{R_2}) r^2 = (k - \frac{1}{2}) \lambda$$

$$r_{k} = \sqrt{(k - \frac{1}{2}) \lambda \frac{R_{1}R_{2}}{R_{2} - R_{1}}} \qquad r_{k} = \sqrt{k \lambda \frac{K_{1}R_{2}}{R_{2} - R_{1}}}$$

$$=> 4h' = 5.8m$$
 $T = 1.6 \times 10^4 N$ $=> 1800N = 1.6 \times 10^4 N$

13.
$$\frac{Mg = M(\frac{2}{T})^{2} \cdot R = \frac{GMM}{R^{2}} \Rightarrow GM = gR^{2} \Rightarrow \frac{2T}{T} = \frac{V}{R}$$
(1) $\frac{Mg = M(\frac{2}{T})^{2} \cdot R = \frac{GMM}{R^{2}} \Rightarrow R = 6.30 \times 10^{6} M \Rightarrow T = \frac{2T}{V}$

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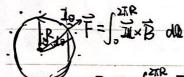
14 (3, 2.5) 1) -max - mysint = max 0 I = Fx · dt = m · AV v-5s: In: Fx · dt = (-8cm/s2·m - Mmg· =) · 5 = I= [Maxd+ : 2m = -9344 lq.mls max= - Mugsin 0 J-105: ax = - mysmo 0 Im = -MMg sin bit= - 1789 19.11/s 10-15 s. AV= 5- BA= - Mng sin 8 dt = 0.16m/s2. 55 = 0.8 m/s 13 In=14. AV = 800 kg. m/s =) IMZ =-17489 kg·m/s 0 15. Vo cos 0 - t + et 12m t2 = h a = et 0 Nd = Vosinb-t N = Vosine - Milosop + Vocas + 2 het de CE 73 P : 2 7 h=vocosb.t+ et .t2 D t2 = 2d h2 = 2 + et . t2 D h= vo cosed + et d2 (1+4+++++++) D = tand + CEd2 1(1-49) = 49-1 eEd2 + d tomb (3) R= mu 0 h'= doute 0 .. hmin = 2m Vsino + dcoto Be De Jmusing 0 16. 09. R= 42th he + m + 2 m2th . re => Un = ke' = I = eVn Fesme.

3)
$$\begin{cases}
F = B_2 T S & \pi + h^4 \\
S = \pi r^2 = m_e^2 e^4 k^2 \\
I = \frac{k^2 e^5 m_e}{37.8^2 + 3}
\end{cases}$$

$$\Rightarrow F = \frac{\text{net } B_2'}{2\text{me}}$$

$$E_n = 22 \cdot \frac{\frac{d}{2} + D}{\frac{d}{2}} = \frac{\text{ne } h B_2'}{2\text{ne } m_{HV_0}} (D + \frac{d}{2})$$

米, 圆形记用?



Fy = 0