Physics Theory Part 17

Topics: Atomic Physics / Electrostatics

Course: B.Sc/ Physics

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f= Kr= mur=nt=) v= nt -(2) $Kr = \frac{m}{h} \times \frac{n^2h^2}{m^2h^2} = \frac{n^2h^2}{mr^3}$ or, 1,4 = 3/2 t/2 1 E= Kh2 Kx Mt $T = \frac{1}{2}mv^2 = \frac{1}{2}m \times \frac{n^2 t^2}{m^2 t^2} = \frac{1}{2} \frac{n^2 t^2}{m h^2} = \frac{1}{2} \frac{n^2 t^2}{m} \times \frac{\sqrt{mk}}{nt} = \frac{n^2 t^2 \sqrt{m}}{\sqrt{m}} \times \frac{n^2 t^2 \sqrt{m}}{nt} = \frac{n^2 t^2}{\sqrt{m}} \times \frac{n^2 t^2 \sqrt{m}}{nt} = \frac{n^2 t^2}{\sqrt{m}} \times \frac{n^2 t^2}{\sqrt{m}} = \frac{n^2 t^2}{\sqrt{m}} = \frac{n^2 t^2}{\sqrt{m}} \times \frac{n^2 t^2}{\sqrt{m}} = \frac{n^2 t^2}{\sqrt{m}} = \frac{n^2 t^2}{\sqrt{m}} \times \frac{n^2 t^2}{\sqrt{m}} = \frac{n^2 t^2}{\sqrt{m}} = \frac{n^2 t^2}{\sqrt{m}} \times \frac{n^2 t^2}{\sqrt{m}} = \frac{n^2 t^2}{\sqrt{m}} \times \frac{n^2 t^2}{\sqrt{m}} = \frac{n^2 t^2}{\sqrt{m}$ V= 1/2 KY2 = 1 Kx mt = mt / K - 4 Total energy of the system, E=T+V= MT JK + Mt / Km (3) Calculate the Total energy of an electron of mann, sotating around nucleus in a circle of reductor, moving with velocity v. show that it is independent of radius OneogyMLAC, rojesh, neogyagmail com

Counching life sorders in front of missor in the dark

(I) when we cough life salers like wint 0 hoven (Hard Candy) in our mouth we can observe occurances of light flashes (like lighting phenomenon in a miniature format).

(2) Coushing hard coystalline sugar (R. g coundies etc) creates static electricity and when it is discharged in air a miniature lightening. If me reemit light (Emwarle) is in visible region we can see it but in uv region we can't get is similar to touching a metallic dear knot after walking on a carpet. Here static electricity is generated that it is and then it discharge but in uv region.

3) Steetic electricity created in these Sugar Crystal (Candies)
an sip the electrons (order) from the nuclecules. When
the molecules recombine with the electrons, they smit
Pight like that in LEDS & LASERS. Depending on the
nectesial & Camposition of the Condines it can emit visible
or UV light. OneogyMLAC, rajesh. neogy & gmail com

FOR ANY QUERIES FEEL FREE TO CONTACT ME AT EMAIL: RAJESH.NEOGY@GMAIL.COM

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