Физика 1 предавање (8.5.2020.)

Горан Попарић

Ночинов зохой прысточије 8=6,67.10" Nm2 YHUGEPSONE ydourdyoup GHE-OHIC Kebengum (Coverdish) 1798 hopsuoue beig: M= 8, 4 , 1 mm = K монени пис $\frac{d}{dt^{2}} + \left(\frac{K}{7}\right) y = 0 \Rightarrow T = \frac{2\pi}{\omega} = 2\pi \sqrt{\frac{2\pi}{2}} = 2\pi \sqrt{\frac{2\pi}{2}}.$

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Pag yobuisquous cure

$$dA = \vec{F} \cdot d\vec{S} = -4 \frac{mM}{r^2} \frac{\vec{e}_r \cdot d\vec{S}}{dr} = 4 \frac{mM}{r^2} \frac{\vec{e}_r \cdot d\vec{S}}{dr} = 4 \frac{mM}{r^2} \frac{\vec{e}_r \cdot d\vec{S}}{r^2} = 4 \frac{mM}{r^2$$

Potequipate exeptitie o yobutiogradu womenyujes, Fragujeur Gowenyujoso

$$dA = \vec{F} \cdot d\vec{r} = -d0$$

Kako je:

$$\gamma = \frac{U}{m} \quad U \quad \vec{G} = \frac{\vec{F}}{m}$$

$$\sqrt{\frac{1}{2}} = \frac{\vec{F}}{m} \quad \sqrt{\frac{1}{2}} = \frac{\vec{F}}{m} \quad \sqrt{\frac{1}{2}} = \frac{\vec{F}}{m} = \frac$$

C14749:

$$\vec{G} = -gred = -\left(\frac{\partial \vec{Y}}{\partial x}\vec{e_x} + \frac{\partial \vec{Y}}{\partial y}\vec{e_y} + \frac{\partial \vec{Y}}{\partial z}\vec{e_z}\right)$$

Kethersbu 30000 1 Еминиме пушнове плонешя 2° $\frac{d\vec{3}}{dt} = \frac{1}{2} \frac{\vec{r} \times d\vec{r}}{dt} = \frac{1}{2m} (\vec{r} \times \frac{md\vec{r}}{dt}) = \frac{\vec{J}}{2m} = c \vec{o} \vec{o} \vec{s} t$ $\frac{d\vec{L}}{dt} = \vec{H}; \quad \vec{H} = 0 \Rightarrow \vec{d\vec{L}} = 0$ $\vec{dt} = \vec{H}; \quad \vec{H} = 0 \Rightarrow \vec{dt} = 0$ $\Rightarrow \vec{L} = cacist.$ 3° a2 n 73

Keinerobu 30kou

$$E = E_{K} + U(r)$$

$$E = \frac{m}{2} \left[\left(\frac{dr}{dt} \right)^{2} + \left(\frac{ds}{mr} \right)^{2} \right] + U(r)$$

$$P = \int_{0}^{\infty} \left(\frac{dr}{dt} \right)^{2} + \left(\frac{ds}{mr} \right)^{2} + U(r)$$

$$P = \int_{0}^{\infty} \left(\frac{dr}{dt} \right)^{2} + U(r)$$

r= P 1-0:000 p-polyen igranewigs C=0 4991 } E<0 e=1 tignotion } E>0

Xykob 30104 6= Fn 6 = E, 8 Ex - 704106 40941 67 = FT 8 = 0 = 01.5 E=Ex. De F=(Ex.5).00 дијотрам нойона 6e

Curyobe U worsuje AX 6=== G. 0x = G.0 $\frac{4x}{x} = tg 8 \approx 6$ G-MAJYA MUYONO Mopsuja $6r = \frac{dF}{dS} = \frac{dF}{2\pi r dr} = G \cdot \frac{r \cdot p}{\ell} = G \cdot \Theta$ $\Rightarrow dF = G \cdot \frac{2\pi r^2 dr}{e} \cdot p / r$ $dH = r \cdot dF = \frac{2\pi G \cdot r^3 dr}{e} \cdot \varphi$ M = 276 ([r3dr) . P = (76.8), Y = C.Y

