(3) Pt ce valoure a viterei unui corp, dimensiume a sa longitudimola ne modefica de mori ? 1 m=21

O spera apropriata de vitera luminii în vid, devime un disc.

$$\ell = \ell_0 \sqrt{1 - \frac{v^2}{e^2}}$$

$$\ell = \frac{\ell_0}{m}$$

$$\frac{2s}{m} = 26\sqrt{1 - \frac{r^2}{e^2}} \implies \frac{r^2}{e^2} = 1 - \frac{1}{m^2} = |r| = e\sqrt{1 - \frac{1}{m^2}} \Rightarrow$$

$$P + m = 2 = |r| = e\sqrt{3} \Rightarrow$$

$$S = \frac{m}{m} = 0$$

$$m = \frac{m_0}{\sqrt{1 - \frac{v^2}{e^2}}} \Rightarrow \frac{m}{m_0} = \frac{1}{\sqrt{1 -$$

$$\frac{m}{mo} = \frac{1}{\sqrt{1-(1-6)^2}} = \frac{m}{mo} = \frac{1}{\sqrt{4-4+2}} = \frac{1}{mo} = \frac{1}{\sqrt{6(2-6)}}$$

$$\frac{m}{m_0} = \frac{1}{\sqrt{10^{-1/2}-10^{-1/2}}} \rightarrow \frac{m}{m_0} = \frac{10^2}{\sqrt{2}} = 800 \sqrt{2} = 400$$

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$$\frac{d}{d} = 400 \text{ km/s} \qquad \text{alimitation}$$

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$$\frac{d}{d} = \frac{2}{\sqrt{2}} = \frac{2}{\sqrt{2}} = \frac{2}{\sqrt{2}} = \frac{1}{\sqrt{2}} = \frac{1}{\sqrt$$

=)
$$\Delta \overline{b} = 2520 \left(N - \left(N - \frac{10^{-5}}{1,8} \right) \right)$$

 $\Delta \overline{b} = 2520 \cdot \frac{10^{-5}}{1,8} \text{ and } =) \Delta \overline{b} = 1400 \cdot 10^{-5} \text{ and } \Rightarrow$
 $\Delta \overline{b} = 1400 \cdot 905,25 \cdot 10^{-5} \text{ Elle} \rightarrow \Delta \overline{b} = 114 \cdot 3,65 \text{ Elle} \Rightarrow$
 $= 1 \left(\Delta \overline{b} = 5 \text{ Elle} \right)$

Sa re calculere durata calatorie i Ep d-p. dv al observetorulii de pe po mant si Em alpoto al observetorulii de pe po mant si Em alpoto al observetorulii de pe mava.

commente same permanent constata ca este mon batroin en s'ile de le d'acesta.

It acesta.

$$\overline{Gp} = \frac{2d}{J} = 2 \cdot \frac{4}{12} \frac{2 \cdot 10^2}{10^8} = 25 \cdot 10^2 \text{ ami} = 2520 \text{ ami}$$

set six ûn raporet en se fôta de care connel se misea.

set
$$S \bowtie X$$
 in naponili en $S \sim G = \pi l_0 \otimes Q \times R \Rightarrow S = \pi l_0 \cdot R$

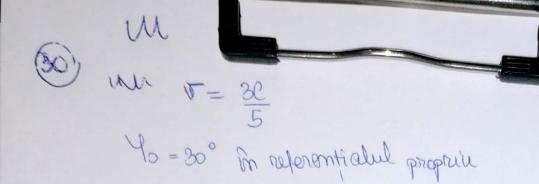
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to sim do = R +) IR = lo simolo S= II- lo rimdo lon = lo essolo (R)=lo1 = lonimdo= l, = R Colone To en for 1- 02 l= 102+ lu2 e = lo Vainto+ costo - costo v2 = lo \ 1 1 - \frac{\sigma^2}{22} \eos \% 0 sima = R = Rosindo lo √1-52 cos 20)

Aplication resultate obt on carul particular $\frac{\sigma}{e} = \frac{1}{2}$ of $\frac{e}{2}$



lo=8m Convideram bara = generatoarea conului > ji rezolvam ca la 29

Care este ostera unui nistem foto de celàlalt?

$$T = \frac{1}{1 + \frac{1}{2}} = \int \frac{1}{1 + \frac{1}{2}} dt = \int \frac{1}{1 + \frac{1}{2}}$$

$$=) M = \frac{\sqrt{-\sqrt{1}}}{\sqrt{1-\frac{\sqrt{1}}{2^2}}} =) M = \frac{0.82 - 0.452}{1 - 0.82 \cdot 0.452} =) M = \frac{0.052}{0.4} =0.00$$