$$a = \frac{R}{2M} = \frac{R_3}{2M} = \frac{R}{2M}$$

$$\frac{\lambda L}{\lambda F} = \frac{\lambda (I\omega)}{\lambda E}$$

$$\frac{dP}{dz} = \frac{dP}{dw} \frac{dw}{dz} = -\frac{9\pi}{2\pi} \dot{w} = -\frac{P^2}{2\pi} \dot{w} = -1.45 \cdot 10^{-13} P^2$$

Pg = (3 m)3 h (4)

OB: Et = bt. C

$$\left(\frac{3N_n}{8\pi}\right)^3 h = 2 \cdot \left(\frac{8\pi}{8\pi}\right)^3 h \in$$

$$\left(\frac{3n_{\text{N}}}{8\pi}\right)^{3} = \left(\frac{8 \cdot 3n_{\text{e}}}{8\pi}\right)^{3} \qquad \Rightarrow \quad n_{\text{N}} = 8n_{\text{e}} = 8n_{\text{e}}$$

JINGS -140 G W C LS 176 312m3

3 2122 CE W EV

BU. 7.5 Junes 9 5 K

בתו פן ביתם שונה אל (בכמון עם ווים)!

 $\frac{2\pi}{\sqrt{1}} \cdot \left(\frac{r}{\lambda}\right)^3 = 1$

 $\lambda = \left(\frac{2\pi}{m}\right)^3 \cdot r$

R3 = 26 M

d < Rs

 $\left(\frac{2\pi}{3}\right)^3 \cdot r < \frac{c_2}{3c\pi}$

M = 25m 6312 = 1610° MO

Frange = GTM (1/2 - (1/r)2)

5,000 mo 2,37

10-110

of hes misting and sind and - Mit #24= PF = Whish ion & Warion & Sind Mais A.M

30,000 mbez voice noce. - 224 von 30 (c. 8 ")

$$S_{s} = \frac{Q_{t}}{JL} = \frac{Q_{t}}{U\pi n} \cdot \frac{1}{V_{s}^{2}}$$

RS= (3 Qx)3 23) NC