$$\frac{Rag}{m_1} = \frac{311}{4} \cdot 10^3 kg$$

$$m_1 = \frac{4}{10^3} kg$$

$$m_1 = \frac{2}{10^3} km$$

$$R =$$

Pag 343 n 6

$$m_X = M_T$$
 $R_X = R_T$
 $L_T = L_X$

Quanto dura un giorno nel pionete X e la velocite di fuga da X.

 T_X pusodo

 $T_X = \frac{2\pi r}{V} = \frac{2\pi}{\omega_X}$

Doto de $T_T = \frac{2\pi}{\omega_T}$
 $W_T = \frac{2\pi}{T_T}$
 $W_T = \frac{2\pi}{T_$

$$V_{1,X}^{2} = \frac{2G_{1}M_{X}}{R_{X}} = \frac{2G_{1}M_{T}}{R_{T}} \cdot 2 = 2V_{1,T}^{2} \cdot \cdots \cdot V_{1,X} = 12V_{1,T}$$

Es 3 pag 313

 $V_{ISS}^2 = \frac{G_1 M_T}{R_T + h}$

 $T_{1SS} = \frac{2\pi R_{TSS}}{V_{TSS}} = \frac{2\pi (R_{T} + h)}{V_{TSS}}$ $V_{TSS} = \frac{2\pi R_{TSS}}{V_{TSS}} = \frac{2\pi (R_{T} + h)}{V_{TSS}}$

$$T_{122} = \frac{2\pi^2(R_T + h)^2(R_T + h)}{GM_T}$$

$$1: T_{ESS} = X: T_{T}$$

$$X = T_{T}$$

$$\chi = \frac{T_T}{T_{1SS}} = \dots = 1.5$$