Intervation of a distribution which is exponential in vertical direction and linearly veryong with radius. $T = 4\pi \int_{-\frac{\pi}{2}}^{\pi} \int_{-\frac{\pi}{2}}^{$ = 411 const $\frac{\pi^{3}}{3}$ | $\frac{\pi_{in}}{3}$ | $\frac{\chi_{s}}{3}$ | For the cose that the linear function is equal to the value of the exponential function at radius "in" const = A Rin e - Tin referre to tipl I = \frac{\sqrt{11}}{3} R_{in} \cdot \frac{\chi}{2} \cdot A \cdot e^{-\lambda \chi_{s}} \lambda \text{lim} \left(1-e^{-\frac{\chi_{s}}{2}}\right) I = 411/3 Ao Rin - 75 e - 15 (1-e = 25)