$$A=0.113 \frac{BT}{B}$$
  $V-curman B$ 
 $P_{p} = \frac{BT}{cn^{2}A} e^{Tep}$ 

$$dV = S(r) dr' = \pi r'^{2} t_{0}^{2} t_{0}^{2} dr'$$

$$h_{C} = 12395984 T = KT 8 + B + B 76 f = 0.55 + 15.78$$

$$D = 1.85 h \cdot 10^{3} crep$$

$$t_{0}^{2} = 2.8437 \cdot 10^{2}$$

$$r = e$$

$$P_{p} = \pi t_{3}^{2} \propto \frac{a^{2} \left(r\right) \left(r + l + a\right)}{\sqrt{\pi} \sqrt{\pi} \sqrt{r}} \sqrt{\tau} \left(r\right) \left(exp\left(-\frac{n^{2}}{2\pi} T(r)\right) - exp\left(-\frac{\pi}{2\pi} T(r)\right)\right) dr}$$

$$L = 19 \text{ cm}$$

Earn T, n = const 
$$g=1$$
  $t=25$  cm  $a=25$  cm  $a=25$  cm  $P_p = Tit_{g}^{2\alpha_0} q_{hc}^{2\alpha_0} (2n)^2 J(T) \left( exp(-\frac{hc}{(T)N_2}) - exp(-\frac{hc}{(T)N_2}) \right) \left( \frac{(239)^2}{3} \right) \left( \frac{(239)^2}{3} \right)$ 

$$P_{p} = 2.79.10^{-10} \left( exp \left( -\frac{12395}{27 \times 13.78} \right) - exp \left( -\frac{12395}{27 \times 0.95} \right) \right) \cdot 1072|6,7 = 3.10^{-5} \left( exp \left( -\frac{360}{277} \right) - exp \left( -\frac{13647}{277} \right) \right)$$

$$Z_{20} \approx \frac{0.113}{1.9.10^{-28} \cdot 3.10^{-5}} = 2.10^{31} \frac{0}{(n)^{2} J(T)(exp(-\frac{900}{2T}) - exp(-\frac{13047}{2T}))}$$

$$T = T(r) = \left(T(0) - T(A)\right) \left(1 - \left(\frac{r}{A}\right)^{2}\right)^{2} + T(q)$$

$$N = N(r) = \left(N(0) - N(A)\right) \left(1 - \left(\frac{r}{A}\right)^{2}\right)^{2} + N(q)$$

$$P_{p} = \left(\int_{-A}^{A} \frac{n^{2}(r) (r + (t + a)^{2})}{\sqrt[3]{2} \sqrt{T(r)}} T(r) \left(exp\left(-\frac{h_{c}}{\lambda_{c}T(r)}\right) - exp\left(-\frac{h_{c}}{\lambda_{c}T(r)}\right)\right) dr =$$

$$= \left(\int_{-A}^{A} n^{2}(r) (r + (t + a)^{2}) T(r) \left(exp\left(-\frac{h_{c}}{\lambda_{c}T(r)}\right) - exp\left(-\frac{h_{c}}{\lambda_{c}T(r)}\right)\right) dr =$$

$$= \left(\int_{-A}^{A} n^{2}(r) (r + (t + a)^{2}) T(r) \left(exp\left(-\frac{h_{c}}{\lambda_{c}T(r)}\right) - exp\left(-\frac{h_{c}}{\lambda_{c}T(r)}\right)\right) dr =$$

$$= \left(\int_{-A}^{A} (n(q) + (n(q) - n(q)) \left(1 - \frac{r}{q}\right)^{2}\right)^{2} \left(r + (t + a)^{2} \sqrt{T(a) + \left(T(a) - T(a)\right)} \left(1 - \frac{r}{q}\right)^{2}\right)^{2} dr$$

$$= \left(\int_{-A}^{A} n^{2} \left(N(q) + \left(N(q) - N(q)\right) \left(1 - \frac{r}{q}\right)^{2}\right)^{2} \left(r + (t + a)^{2} \sqrt{T(a) + \left(T(a) - T(a)\right)} \left(1 - \frac{r}{q}\right)^{2}\right)^{2} dr$$

$$= \left(\int_{-A}^{A} n^{2} \left(N(q) + \left(N(q) - N(q)\right) \left(1 - \frac{r}{q}\right)^{2}\right)^{2} \left(r + (t + a)^{2} \sqrt{T(a) + \left(T(a) - T(a)\right)} \left(1 - \frac{r}{q}\right)^{2}\right)^{2} dr$$

$$= \left(\int_{-A}^{A} n^{2} \left(N(q) + \left(N(q) - N(q)\right) \left(1 - \frac{r}{q}\right)^{2}\right)^{2} dr$$

$$= \left(\int_{-A}^{A} n^{2} \left(N(q) + \left(N(q) - N(q)\right) \left(1 - \frac{r}{q}\right)^{2}\right)^{2} dr$$

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$$= \left(\int_{-A}^{A} n^{2} n^{2} dr$$

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