



$$\frac{E(R) = \int \frac{f_0 R}{3\xi_0}, \quad 91 \leq R}{\left(\frac{f_0}{3\xi_0} \left(\frac{R}{9}\right)^3 n, \quad 11 > R}$$

Here.

the RHS of equation 1 becomes,

R' -> gradius of the cainty

$$= \frac{4}{340} \left( 9 - \frac{e^{3}}{(9^{2} + d^{2} - 29d)^{3/2}} (n - d) - 2 \right)$$

⇒ 2 ≤ R with Purride the cavity

$$\frac{E(n) = f_0(n - n') = f_0 d}{3\xi_0}$$
 (3)

is f gi

$$F(x) = \frac{P_0}{3Q_0} \left[ \left( \frac{Q_0^3}{\eta} \right)^3 - \left( \frac{Q_0^1}{Q_0^1} \right)^3 \eta^1 \right]$$

$$= \frac{+}{3\xi_{0}} \left[ \frac{R^{3} + - R^{3}}{3\xi_{0}} \left( \frac{R^{2} + d^{2} + 2hd}{2h^{2} + 2hd} \right)^{3/2} \right] - - 4$$