

$$P(r) = P_0 \frac{\gamma^3}{\alpha^3}$$

$$R = \int_{\alpha}^{\beta} p(r) \frac{dr}{4\sqrt{1}r^2} = \frac{\delta}{\alpha}$$

$$=\frac{95}{4510^3}\int_{0}^{5} \gamma d\gamma = \frac{95}{2570^3}\left(6^2 - \alpha^2\right)$$

$$E = \frac{\xi}{\epsilon_o} \gamma$$

$$\mathcal{J}(r) = \frac{\mathcal{E} \epsilon_{o}}{r}$$

$$f(\gamma) = -\frac{4 \varepsilon_0 \gamma^2}{5^4 - \alpha^4}$$

$$\frac{\mathcal{E}}{\partial S \cup \frac{\delta^3}{\alpha^3}}$$

$$\bar{E} = \bar{g} S = \bar{g} S \circ \frac{r^3}{a^3}$$
 $\bar{g} = const.$

$$U = -\int_{a}^{b} E dr = \frac{38}{9^{3}} \int_{a}^{b} r^{3} dr = \frac{38}{4a^{3}} (b^{4} - a^{4})$$

$$\bar{g} = \frac{-4 u a^3}{5 v} \left(\frac{7}{6^4 - a^4} \right)$$

$$\bar{E} = \frac{-44\chi^3}{6^4 - a^4}$$

$$\bar{\mathcal{J}} = \frac{-4 \cdot 4 \cdot a^3}{\mathcal{J}_0} \left(\frac{1}{b^4 - a^4} \right) \qquad \frac{67}{\xi_0} = E\left(a^+\right) - E\left(a^-\right)$$

$$\frac{\sigma_1}{\varepsilon_0} = \frac{-4 u a^3}{64 - a^4}$$

$$Q_1 = 6, \xi + 5, \lambda^2 = \frac{-7657 \, \alpha^5 \, \xi_0}{64 - \alpha^4}$$

$$\frac{62}{E_0} = \frac{446^3}{6^4 - a^4}$$

$$Q_{2} = \frac{76516^{5}E_{3}}{64 - 94}$$

$$Q_{7-2} = \int_{\alpha}^{6} \int_{\beta}^{2} (x) \cdot 4\pi r^{2} dr = \frac{-16\pi \epsilon_{0}}{64 - \alpha^{4}} \int_{\beta}^{6} \gamma d\gamma = \frac{-16\pi \epsilon_{0}}{64 - \alpha^{4}} \cdot \frac{1}{5} \left(\frac{5}{6} - \frac{5}{\alpha^{5}} \right)$$
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