9. og=pov. dg=pdv dv=Paridr dg=ppnidr $\int dq^{2} \, d\pi \, A \cdot \alpha^{2} = A^{2} + \frac{q}{2\pi\alpha^{2}} = \int_{0}^{2} \int_{0}^{2} x_{10} \, dx_{20} = \int_{0}^{2} \int_{0}^{2} \int_{0}^{2} x_{10} \, dx_{20} = \int_{0}^{2} \int_{0}^{2} x_{10} \, dx_{20} = \int_{0}^{2} \int_{0}^{2} x_{10} \, dx_{20} = \int_{0}^{2} \int_{0}^{2} \int_{0}^{2} x_{10} \, dx_{20} = \int_{0}^{2} \int_{0}^{2} \int_{0}^{2} x_{10} \, dx_{20} = \int_{0}^{2} \int_{0}^{2} x_{10} \, dx_{20} = \int_{0}^{2} \int_{0}^{2} \int_{0}^{2} x_{10} \, dx_{20} = \int_{0}^{2} \int_{0}^{2} \int_{0}^{2} x_{10} \, dx$

$$\frac{73}{38} = 4y^{3} \int dA$$

$$\frac{73}{4} = 4y^{3} \int dA$$

$$\frac{73}{4} = 2y^{3} \cdot a^{2} + 2y^{2} \cdot a^{2} = 2a^{2}(y^{3} - y^{2})$$

$$\frac{7}{4} = 2y^{3} \cdot a^{2} + 2y^{2} \cdot a^{2} = 2a^{2}(y^{3} - y^{2})$$

$$\frac{7}{4} = 2x \cdot y^{2} + 2x \cdot 2x^{2} \cdot 2 = -9b \cdot N \cdot m^{2}C$$

$$\frac{7}{4} = 2x \cdot y^{2} + 2x \cdot 2x^{2} \cdot 2 = -9b \cdot N \cdot m^{2}C$$

$$\frac{7}{4} = 2x \cdot y^{2} + 2x \cdot 2x^{2} \cdot 2 = -9b \cdot N \cdot m^{2}C$$

$$\frac{7}{4} = -2x \cdot y^{2} \cdot 2 + 2x \cdot 2x^{2} \cdot 2 = -9b \cdot N \cdot m^{2}C$$

$$\frac{7}{4} = -2x \cdot y^{2} \cdot 2 + 2x \cdot y^{2} \cdot 2 + 2x \cdot y^{2} \cdot 3 + 2x$$

54. $\phi = \frac{9eno}{50}$ 9par = 4 x105 x 8.85 x10-12 = 3.5p x10-6 Benc 0 = 9 par + BA. 16). 9B= -8x10 x8.85x10-12=7.08x10-1C 如如从和南野市 · g shear = -7.08 x10-6 = -1.06 x10-5C (c) 90= 8185×10-1×12×105= 1006×10=C WB阳高斯宇 · 9 shell is = 10.6 x10 - C - 3.5 4x10 6 C.+ 1.06 x10 - C = @ 177 KID-5C. 65. r= 2x113x10 m= 2.6x10 m a. Penc = Q1+Q2 = -5122 ×10-13C → -2 × (-1,22 ×10-13c) = 1.21 x10 C.

= 1 enc = E & dA = E. 2 TUTLI. AX E = 5.28 x10 2 N/C b. 103-

e. 1777 E= = -1.31x10-10/cd.FOZ.

e 9 m = 8.22 k10-13 C

f. Q2 = 9 in + 9 out 2 x 2 9 out = 5.22 xw C