Force = K 8,92 ... -> F, 4660° F, and F2 are forces on the charge Q since two charges of Inc. $F_1 = 9 \times 10^9 \cdot N \cdot m^2/c^2 \left(\frac{(2 \text{ nC})(5.8 \text{ nC})}{(1 \text{ cm} \left(\frac{10^{-2} \text{ m}}{1 \text{ cm}} \right))^2} \right) = 1.04 \times 10^{-3} N$ Fz = 9 x 10 9, N·m²/c² ((2nC)(5.8nC) / (1cm (10-2n))²) = 1.04 x 10-3 N F = F, sin 60° + F2 sin 60° = (1.04×10-3N) sin 60° + (1.04×10-3N) sin 60° 2 (1.04 × 103 N) SIN 60° .001801 2/ 1.8 × 10-3 N