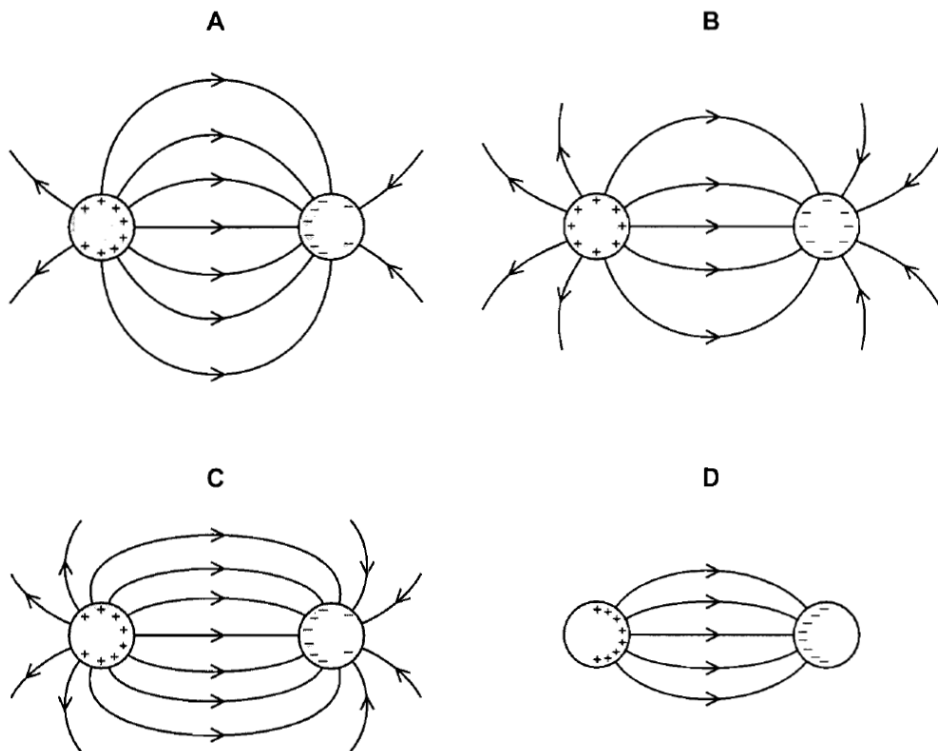


17 Two small metal spheres have equal but opposite charges.

Which diagram shows a possible distribution of charge on the spheres and the electric field near the spheres?



18 A positive charge of $5.0 \times 10^{-8} \text{ C}$ is placed in a uniform electric field of field strength $4.0 \times 10^4 \text{ N/C}$.