

Quiz 18.1C

A 325-gram rubber ball has a net charge of $-14.8\ \mu\text{C}$. The ball is in a region filled with a uniform electric field of $61,800\ \text{N/C}$ directed 35.0° below the $+x$ direction. Assume only Earth's gravity and the electric force are relevant in this problem.

What is the magnitude and direction of the acceleration experienced by the ball?