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what effect do charges at rest have on one another types of charges 1 newton d ows passed a point in a circuit in 1 second when the current is 1 ampere answer d 2 two charges q_1 q and q_2 2q are placed on the x axis at x 0 m and x 1 m respectively the value of x when the electric eld is zero lies in the interval a x 0 b x 0 c 0 x 1 solution the magnitude of the electrostatic force between two point charges is given by coulomb s law as q_1q_2/d^2 9 109 5 10 9 3 10 8 0 1 2 135 10 6 n where denote the magnitude of the charges note that in coulomb s law force formula the sign of charges is not included only its absolute values must be entered electrostatics is a branch of physics that deals with the phenomena and properties of stationary or slow moving electric charges electrostatic phenomena arise from the forces that electric charges exert on each other and are described by coulomb s law physics electrostatics solved example problems and book back exercises problems with answers solution and explanation exercises 1 when two objects are rubbed with each other approximately a charge of 50 nc can be produced in each object calculate the number of electrons that must be transferred to produce this charge jee main electrostatics previous year questions with solutions electrostatics is the branch of physics that deals with the study of the properties of stationary or slow moving electric charges according to coulomb s law there is a force of attraction between these charges electrostatically induced forces seem to be rather weak electrostatics also known as static electricity is the branch of physics that deals with apparently stationary electric

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