







Excel wants to reduce the energy wasted during power transmission from the plant to Boulder. $P_o=iV$ of the plant is 300 MW.

If they double Voltage V, by what factor does the power lost in the cable $(P_{lost}=i^2R_{cable})$ decrease?

A: No decrease B: 2x C: 4x D: 8x





A) Stationary charges

- B) Charges moving at a constant velocity
- C) Accelerating charges
- D) b and c
- E) a, b, and c

