

# Displacement Current

Which statement regarding the magnetic field around the capacitor is generally correct?

- a) There is no current between the plates of the capacitor so no magnetic field is induced.
- b) There is electric current between the plates of the capacitor so there is a magnetic field induced.
- c) The rate of change of the electric field between the plates of the capacitor induces a magnetic field.
- d) The electric field between the plates of the capacitor induces a magnetic field.
- e) None of the above alternatives are generally correct.

