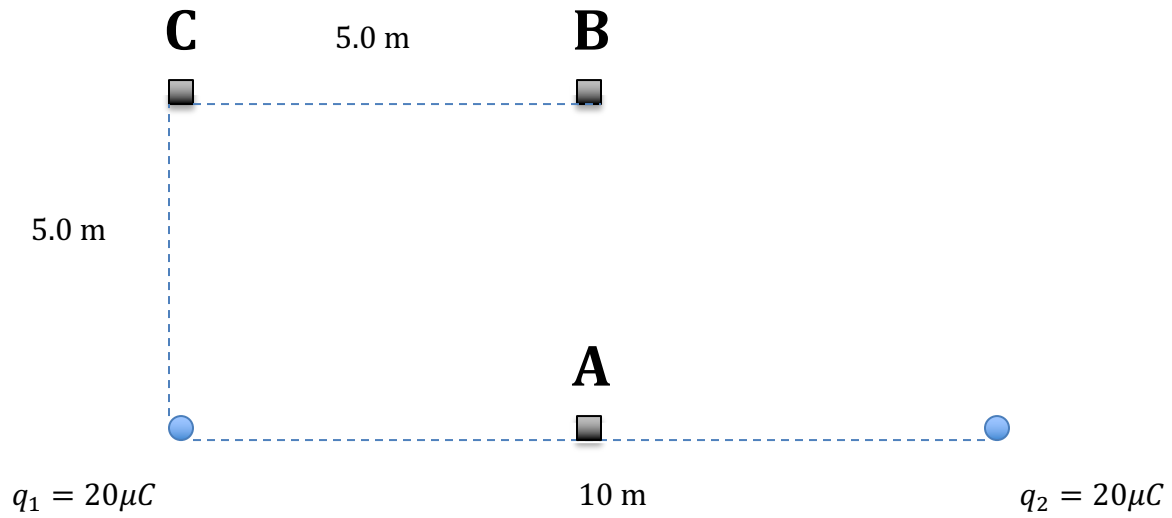


P12

ELECTRIC FIELD

- Two identical point charges are separated by distance of 10.0 m.



- Given that point A is the midpoint of the separation distance between two identical point charges, calculate the strength of the electric field at point A.

2. Determine the strength and direction of the electric field at point B.

3. A) Predict the strength of the electric field at point C relative to the strength of the electric field at point B.

B) Compare your prediction with a calculated value of the electric field's magnitude.

C) What is the direction of the electric field at point C?