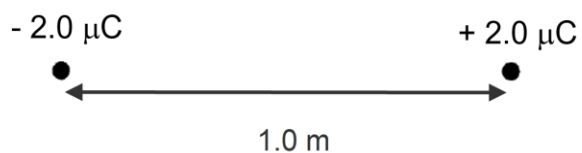


- 19** A pair of equal and opposite charges each of  $2.0\ \mu\text{C}$  is separated by  $1.0\ \text{m}$  as shown below.



What is the magnitude of the electric field strength at the midpoint between the two charges?

- A**  $0\ \text{Vm}^{-1}$
- B**  $3.6 \times 10^4\ \text{Vm}^{-1}$
- C**  $7.2 \times 10^4\ \text{Vm}^{-1}$
- D**  $1.4 \times 10^5\ \text{Vm}^{-1}$