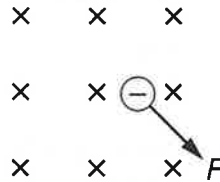


- 25 A negatively charged particle moves at right angles to a magnetic field. The magnetic field is in a direction into the page, perpendicular to the plane of the paper.

magnetic field
into the page



At one instant the particle is moving with velocity v . The magnetic force F acting on the particle at this instant is shown.

The direction of the magnetic field is reversed and a positively charged particle is now moving in the field.

What is the direction of the force acting on this particle when it has the same velocity v ?

magnetic field
out of the page

