Magnetic Induction: Application (4)



A magnetic field \vec{B} of increasing strength and directed perpendicular to the plane exists inside the dashed square. It induces a constant clockwise current I=8A in the large conducting square with resistance $R=9\Omega$.

• If $\vec{B} = 0$ at time t = 0, find the direction (\odot, \otimes) and magnitude of \vec{B} at time t = 5s.

