

Physics 1214 - General Physics II

Quiz #12 - 2013.02.18

Solutions

1. State Lenz's Law.

The direction of any magnetically induced current or emf is such as to oppose the direction of the phenomenon causing it.

2. Consider a loop resting on a desk, and a magnetic field moves down from above the loop, with the direction of the field pointing downward. Determine the direction of the flux through the loop, and state if the flux is increasing, decreasing or neither.

The flux points downward into the desk, and it is increasing.