Magnetic flux through a spherical surface. A sphere of radius a is placed in free space near a very long, straight wire carrying a steady current of intensity I. The distance of the sphere center from the axis is d. The magnetic flux through the sphere surface depends on

- (A) a only
- (B) I only
- (C) a and I only
- (D) all three parameters (a, I, and d)
- (E) none of the above parameters.

Solution: (E)
Answer: (E)