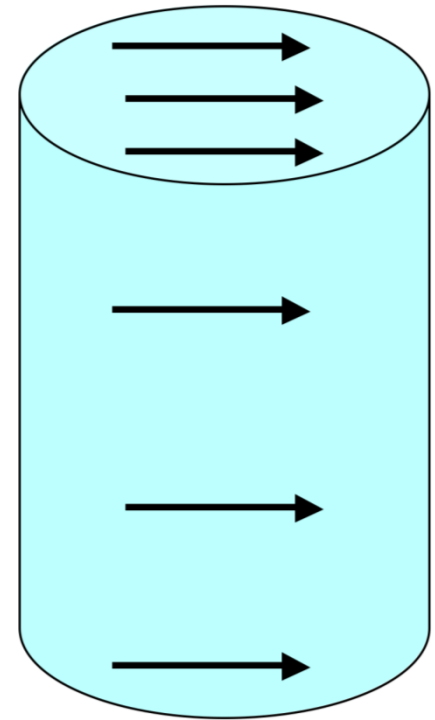


A solid cylinder has uniform magnetization \vec{M} throughout the volume in the x direction as shown. Where do bound currents show up?

- A) Top/bottom surface only
- B) Side (rounded) surface only
- C) Everywhere (including the volume)
- D) Top/bottom, and parts of (but not all of) side surface (but not in the volume)
- E) Something different/other combination



A solid cylinder has uniform magnetization \vec{M} throughout the volume in the direction shown. What's the magnitude of the total magnetic dipole moment of the cylinder?

- A) $\pi R^2 LM$
- B) $2\pi RLM$
- C) $2\pi RM$
- D) $\pi R^2 M$
- E) Something not so clean

