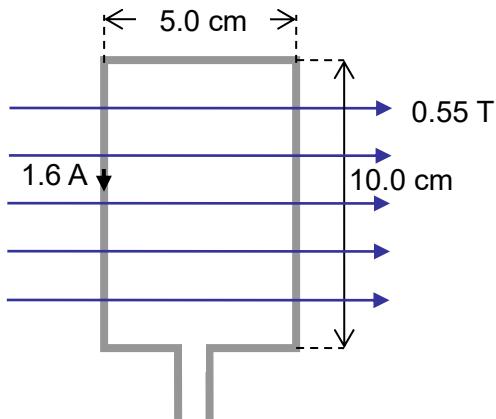


- 24** A rectangular coil with 100 turns has dimensions 5.0 cm by 10.0 cm. It is placed in a magnetic field of flux density 0.55 T and a current of 1.6 A passes through the coil. The magnetic field lines lie in the plane of the rectangular coil.

What is the magnitude and direction of the maximum torque?



- A** 0.44 N m with right edge moving into plane of paper
- B** 0.22 N m with right edge moving into plane of paper
- C** 0.44 N m with the left edge moving into plane of paper
- D** 0.22 N m with left edge moving into plane of paper