Pre-Lab Report
LAB5 Magnetic Field of a Solenoid

The following concepts are related with this week’s lab. Briefly explain them.

1. Magnetic Field

2. Methods to generate magnetic fields

3. Describe the magnetic fields made by a solenoid. (Magnitude and direction)

4. Draw magnetic field lines created by a current carrying solenoid.

5. A solenoid of length 0.50m and radius 10. cm is comprised of 100 turns of wire. Determine the magnitude of the magnetic field at the center of the solenoid when it carries a current of 10. A.