

Homework Assignment #30

(due Nov 16, 2022, at the beginning of class)

1. Griffiths 6.12

Hint: Notice that you obtain for \vec{K}_b the same expression you get for the surface current density of a solenoid.

2. Griffiths 6.14

Hints: Use as guidance our result in class for Griffiths's problem 6.9 for the bar magnet. For more detailed sketches of \vec{M} , \vec{B} , and \vec{H} use the same as approach as for Griffiths's problem 4.17, which is the last problem of our HW 21.