Transformed E&M I materials

Field of Magnetized Object (Bound Current)
(Griffiths Chapter 5)

TIMELINE

Prof A covers this in lectures 38.
Prof B. covers this in lecture 32.
Transformed course covered in lectures 39,40.

LEARNING GOALS

1. Students should be able to predict whether a particular magnetization will result in a bound surface and/or volume current, for simple magnetizations.
2. Students should be able to give a physical interpretation of bound surface and volume current, using Stokes’ Theorem.

CLASS ACTIVITIES

None.