Lab 2

Method of images in magnetostatics

Matlab assignment

- Derive an images solution for an infinite (unit) line current situated (a unit distance) above and parallel to a hyper-ferromagnetic infinite plane bounding an infinite hyper-ferromagnetic half space.

- Write a program to simulate the magnetic flux lines (directional curves) in this configuration (projected to a plane orthogonal to the current).

- Your solution should include sample *Matlab* code and 2-dimensional plots of the field lines generated therefrom.

Hint: consider the analogy with the electric case.