

**ECEn 360**  
**Lines and Fields**  
**Homework #6**

Text: Problem 7.8 (a), (b)

Text: Problem 7.9

Text: Problem 7.10

Text: Problem 7.13

Text: Problem 7.17

Text: Problem 7.21

Calculate the loss tangent and skin depth of Nickel if the electromagnetic wave has a wavelength of 670nm. Use the following web site <http://www.photonics.byu.edu/opticalconstants.phtml>.

Text: Problem 7.24

Text: Problem 7.25