Reading Assignments - see lesson handouts

March 22 class - Lessons 5.1, 1.5 (problem 2), review for quiz 2
Assignment due at start of class (2 points)
1.   Write out the complete set of Maxwell's equation in point form.
2.   Does the displacement current represent a flow of charged particles?

March 24 - No class
Quiz 2 - 7-9 PM in Amos Eaton 214
TA office hours 2-6 PM in JEC 4107

March 25 & 26 classes - Lesson 4.1
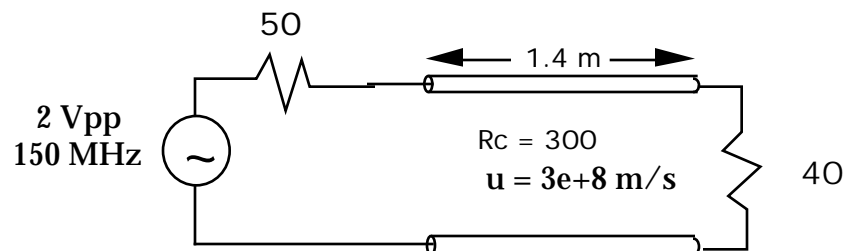Assignment due at start of class (2 points)
1.   Draw a model of a transmission line with lumped elements. (Hint: You should use inductors and capacitors).

March 29 class - Lessons 1.5 & 4.3
Assignment due at start of class (2 points)
For the transmission line problem shown below determine
1.   the value of   ,
2.   the reflection coefficient at the load
3.   the voltage standing wave ratio, VSWR

50

1.4 m

2 Vpp
150 MHz

Rc = 300
u = 3e+8 m/s

40

March 31 class - Lesson 4.4
Assignment due at start of class (2 points)
1.   In the transmission line circuit below, the function generator is operated at a frequency where   = 8 m. What is the input impedance at z=0?
2.   What is the magnitude of V_{in} at z=0 in the problem below?

50

10 m

4 Vpp

V_{in}

RG 58 A/U

$Z_L = 0$
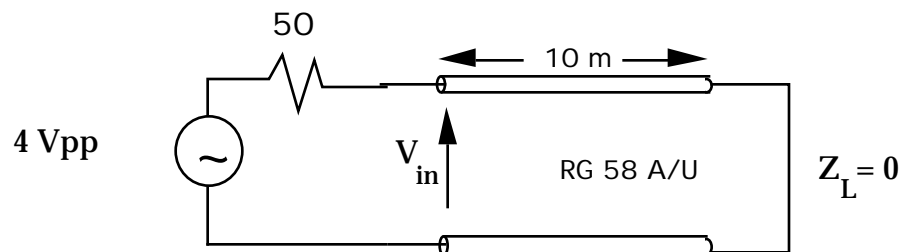
April 1 & 2 classes
Open shop to work on Homework 6. Due at 5 PM on April 2.