

PHYSICS 535, Spring 2016 – HOMEWORK #6 Due 3/25/2016

Readings –

1) M. Uman, K. McClain, E.P. Krider,
"The Electromagnetic Radiation from a Finite Antenna', *American Journal of Physics*,
Volume 43, January 1975.

Do Article Summary and Questions for Article #1.

Article summaries should include what YOU think were the most important points in the chapter. If one section contained most of what you found valuable, you can focus on that section.

Article Questions –

In addition to your summary, pose two questions raised by each of the readings suitable for homework or class discussion. You should know how to answer one of these questions.

PROBLEM SET #6

6-1) Based on our measurements of the capacitor discharging, what is the conductivity of air in Workman 193?

6-2) Reproduce figure 3 of Uman 1975 using the current waveform he suggests.