

# Chapter 2 figs ELEN4001

Alan Robert Clark

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Note that the source code for the figs can be seen by clicking the pic. You will need to use your Browser's BACK button to return to this page.

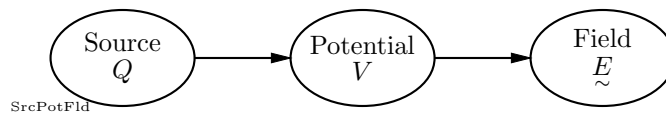


Figure 1: Getting a Field quantity from a Source quantity, via a Potential

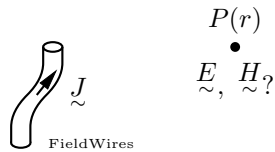


Figure 2: Fields from current carrying wires

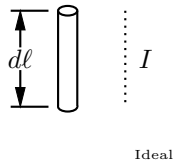


Figure 3: "Ideal" Dipole segment with Uniform current Distribution

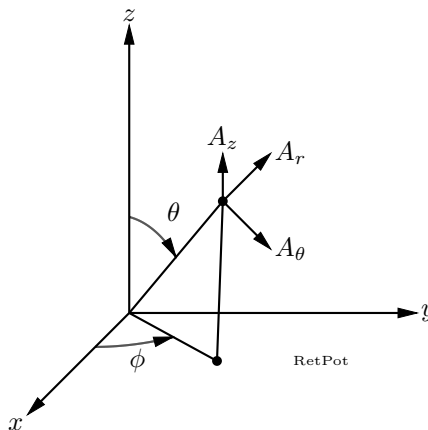


Figure 4: Retarded Potentials from an ideal dipole

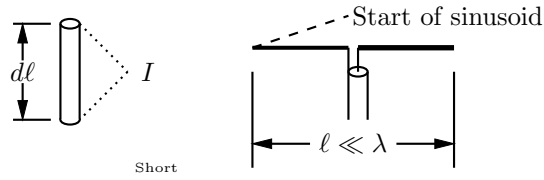


Figure 5: A “short” dipole with triangular current distribution.

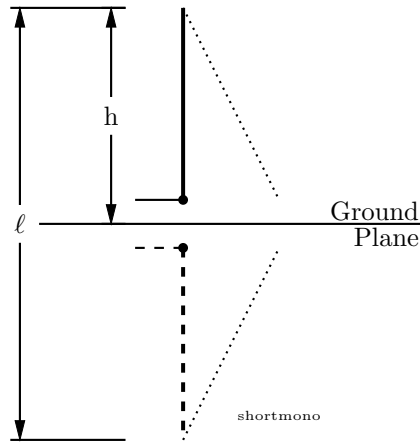


Figure 6: A Short Monopole with triangular current distribution.

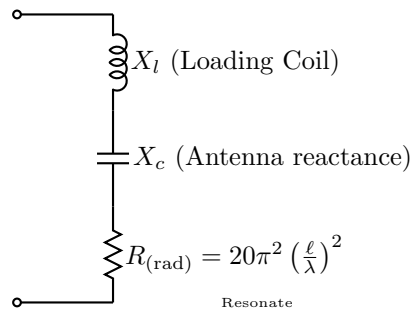


Figure 7: Using a “Loading Coil” to resonate a small dipole.

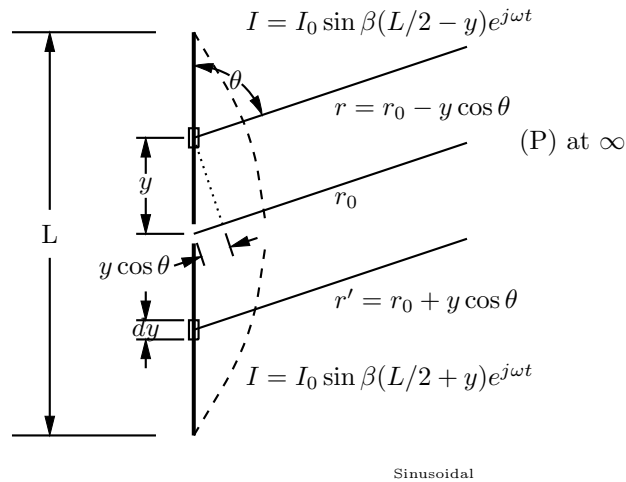


Figure 8: Sinusoidal distribution on a dipole.

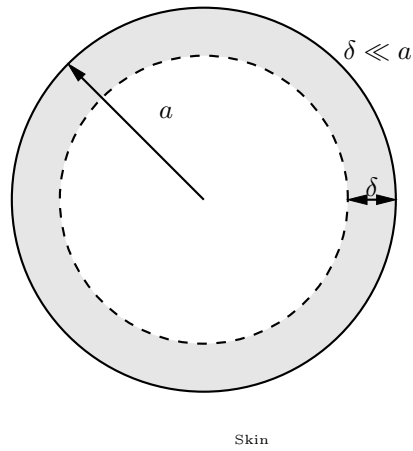


Figure 9: Current density penetration limited to the skin depth.

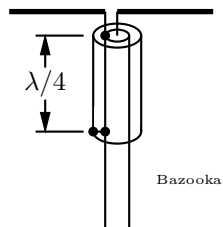


Figure 10: The Bazooka or Sleeve balun.

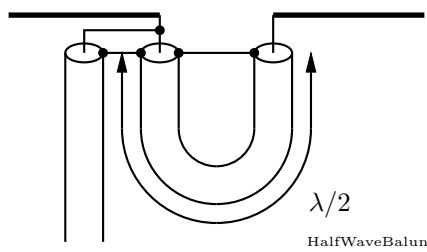


Figure 11: A HalfWave 4:1 transformer balun.

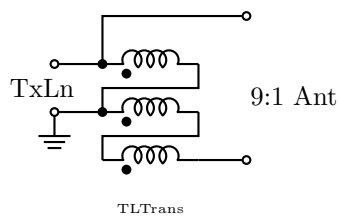


Figure 12: Transmission-line transformer.

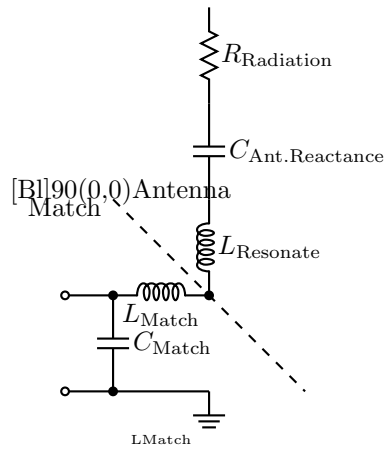


Figure 13: L-Match network.

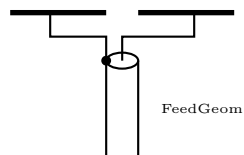


Figure 14: Modifying the feed geometry to afford a match.