

Comments on the paper “A Power Wave Theory of Antennas.” By Everett G. Farr; Published in FERMAT (www.e-fermat.org) / Articles / 2015 Vol7.

Keywords: Antenna Characterization, Frequency Domain, Time Domain, Antenna Impulse Response, Scattering Impulse Response, Generalized Antenna Scattering Matrix (GASM), Antenna Equation.

Comment by the reader:

I do not find anything new or exciting. You just made some well-established concepts complicated. The presentation is very wordy.

It is suggested that you work out the following simple example to enhance the educational value of the paper.

As you know, any practical antenna system has a matching network and/or balun between the antenna proper and its load, like the Impulse Radiating Antenna (IRA).

To indicate the effect this has on the received voltage at a load, take IRA and work out the problem and show how much this matching network reduces the received load voltage, or the ratio of the load voltage to the V_{oc} at the antenna.
