



Simtel Antenna is a very powerful tool to understand core concepts like working principal of Antenna, transmission, reception and construction details of different kinds of Antennas virtually through high quality simulation, rich theoretical content and attractive animated diagrams.

Topics Covered

Electromagnetic Waves

Maxwell's Equation

Antenna Parameters:

Radiation pattern, Power pattern, Directivity, Gain, Beamwidth, Bandwidth, Polarization, VSWR, Reciprocity and Antenna Loading

Classification of Antenna:

Wire Antenna, Aperture Antenna, Printed Antenna, Leaky Wave Antenna, Reflector Antenna, and Lens Antenna

Different Antennas:

Infinitesimal Antenna, Linear Antenna, Antenna Array, Half-Wave Dipole Antenna, Horn Antenna, Log and Helical Antenna, Parasitic Antenna – YAGI Antenna, Ground Quarter Wavelength Antenna

Software program windows:

