

Antenna integration on aircraft fuselage

IFF antenna placement on Embraer EMB 145 aircraft. IFF antenna modelled by four monopoles. Surface currents and far-fields simulated with efield® MLFMM.

- Frequency = 1030 MHz
- 152 136 elements
- 228 196 unknowns

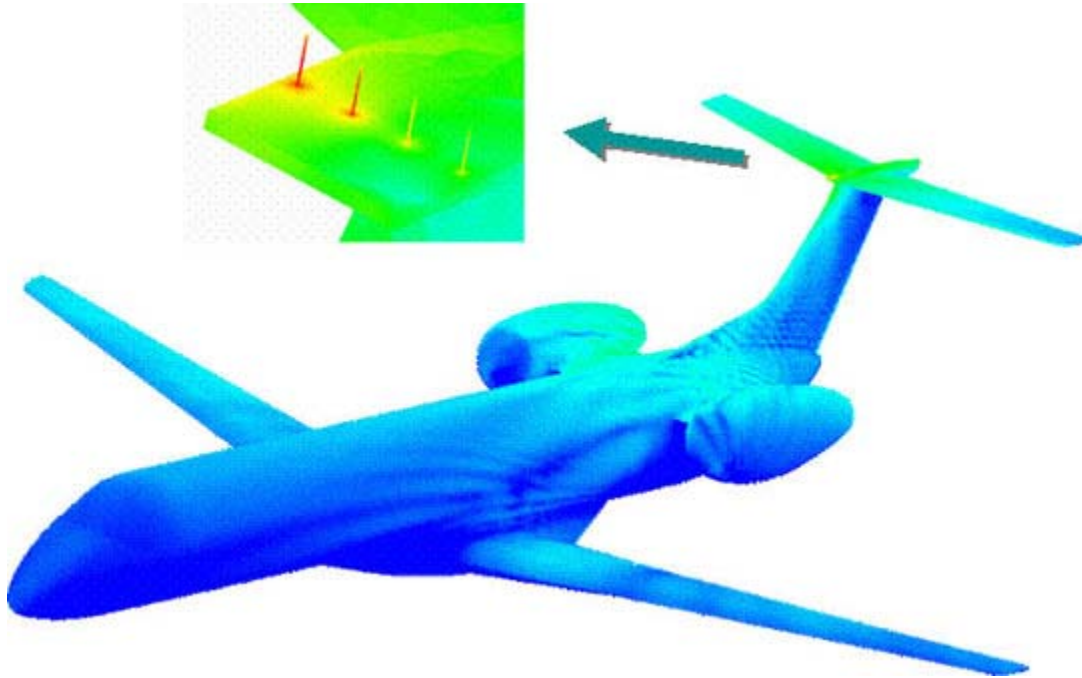


Figure 1: Surface currents from excitation of monopole no. 1

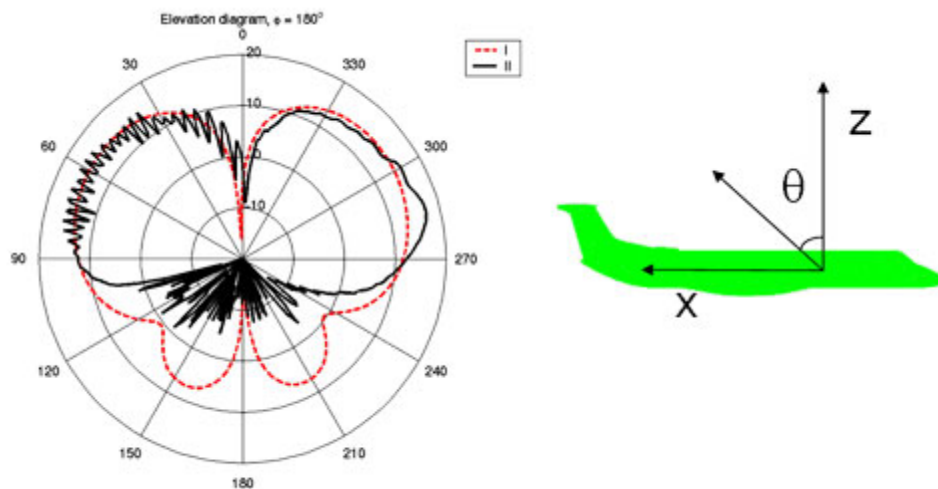


Figure 2: Elevation diagram example

