

Question 15

Q: Can Femtet perform the analysis with the skin effect taken into account? (Magnetic analysis/Magnetic saturation/Skin effect)

A: The analysis with the skin effect taken into account can be performed in the magnetic analysis (Harmonic analysis/Transient analysis). Skin meshes that respond to a skin depth will be automatically created.

After the calculation of the magnetic-harmonic analysis, a series resistance, R_{dc} , will be indicated at the real part of the impedance [ohm] of the result table.

Please refer to Example 11 of the magnetic analysis on the Femtet help menu below for more information.

*Home>Examples>Magnetic Analysis (Gauss, Static Analysis/Harmonic Analysis)/
Example 11: AC Characteristics of Helical Coil*